Issue no.18 valid 3 August 2015 – 30 October 2015

element14

Connect

5 Pc Micro Plier & Cutter Set

45% OFF

$25.21

Order Code: 312-552002

USB Digital Microscope

35% OFF

$63.02

Order Code: 231-942002

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WX1010 Soldering Station

$1018.76

Order Code: 189-904702

20% OFF

4" Swivel Bench Vice

40% OFF

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Order Code: 244-453802

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What's in this issue:

- Customise your workbench with best selling tools and accessories on **pages 4 to 7**.
- Shop the latest products from trusted manufacturers TE Connectivity, Molex, Littelfuse and Freescale.
- Eight useful webinars to get familiar with the **Internet of Things** on **page 50**.
- The most sought-after accessories to accompany your Beaglebone and Raspberry Pi on **pages 47 and 48**.

"At element14 we know our customer's product needs vary depending on their industry and needs. That's why this issue of Connect contains a wide range of tools at the best prices to allow you the freedom of choice. With over 1,100 products in this issue, you'll be spoilt for choice. If you can't find the exact tool you're looking for, visit us online for access to a further 80,000 locally stocked products available for next day delivery."

PETER DAVIS
Regional Director
Australia and New Zealand

1 **160Z Claw Hammer** 70% OFF

- Weight: 74g
- Handle Type: Tubular Steel
- Head Type: Claw
- Vinyl grip

$4.66
Order Code: 132-871102

2 **11 Piece Combination Spanner Set** 25% OFF

- 11 piece metric combination spanner set in a plastic rack
- Drop forged and chrome plated
- Sizes included: 6, 7, 8, 9, 10, 11, 12, 13, 14, 17 and 19mm

$13.77
Order Code: 144-754902

3 **8" Adjustable Wrench**

- Phosphated with a soft grip handle
- Metric scale to assist pre-setting the jaw opening
- Precision machined, positive action thumbwheel and jaw

$9.65
Order Code: 312-783702

13

4 **Automatic Centre Punch** 65% OFF

- No hammer needed
- This punch is made with a knurled brass handle and hardened tip for instant marking
- Size (Lx Dia): 130mm (5") x 13mm (1/2")

$3.58
Order Code: 144-743602

5 **Side Cutters** UP TO 55% OFF

- 2-component handle with slip guard
- Shock proof handle
- Drop forged, heat treated fully polished steel

Size	Max. Cut	Order Code	Price
140mm	2.5mm	149-631802	$16.50
160mm	2.8mm	149-631902	$17.57

6 **160mm Combination Plier** 65% OFF

- Serrated jaws, rod gripping hole and side cutter

$6.67
Order Code: 312-780102

7 **10" Water Pump Plier** 45% OFF

A pair of water pump pliers with a matted handle for a comfortable grip.

- Drop forged, heat treated fully polished steel machine finish
- Rib and groove design locks jaws securely in place for comfortable grip

$4.64
Order Code: 244-446302

8 **9 Pc Imperial Ball Ended Hex Key Set** 55% OFF

Imperial: 1/16 x 60, 5/64 x 75, 3/32 x 85, 1/8 x 95, 5/32 x 100, 3/16 x 110, 1/4 x 130, 5/16 x 145, and 3/8" x 160mm

$5.23
Order Code: 151-781302

9 **9 pc Metric Hexagon Key Set** 60% OFF

- Hardened chrome vanadium steel, professional quality keys
- Supplied in a storage bracket
- Long series
- 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm Hex Keys

$7.88
Order Code: 312-691202

10 **60mm Swivel Table Vice** 45% OFF

- Heat treated jaws, 60mm wide & 25mm deep, open to 80mm
- 360° locking swivel base
- Mounting clamp opens up to 45mm
- Paint coated body
- Weight: 2.3kg

$13.68
Order Code: 139-148802

11 **16 Piece Mechanics Punch and Chisel Set** 55% OFF

Kit Contents: 5 Pin Punches, 5 Taper Punches, 3 Cold Chisels, 2 Centre Punches, Chisel Punch

$11.11
Order Code: 144-743702

12 **4 Piece Locking Pliers Set** 55% OFF

Set contents: 125mm (5") curved jaws, 180mm (7") curved jaws, 150mm (6") long nose, 250mm (10") straight jaws

- Drop forged, heat treated, serrated steel jaws
- Adjustment screw and quick release

$14.58
Order Code: 144-741302

13 **35 Piece Hobby Knife Set** 40% OFF

- Ideal for the modeller or craft worker
- Tweezers for the safe removal of blades
- 23 assorted blades, 2 x handles
- 1 x plane, sanding block, tweezers, 3 x scoring points and handle
- Contained in a handy carry case

$16.11
Order Code: 132-872602

All prices in NZD$ | GST exclusive

14 **24" Stainless Steel Ruler** 80% OFF

- Length: 600mm
- Width: 25mm
- Conversion chart on reverse

$2.14
Order Code: 144-755702

15 **Flexible Magnetic Pick-Up Tool** 50% OFF

- Ideal to retrieve metal objects in hard to reach areas
- Holding weight 5 lbs
- Overall length 508mm

$3.77
Order Code: 244-449302

16 **Wire Brush** 75% OFF

- Heavy duty construction with a comfortable grip handle
- Ideal for cleaning metal before welding
- Brassed steel wire
- Length: 265mm

$1.23
Order Code: 144-754702

26

17 **9" Magnetic Level** 70% OFF

- Torpedo level with magnetic slide
- Ideal for the tool box
- Measures vertical, horizontal and 45° vials

$1.22
Order Code: 136-704702

18 **8m Rubber Tape Measure** 85% OFF

- Heavy-duty tape measures
- Measuring Range Max: 8m
- Blade Width: 25mm
- Pause button on base
- Thumb operated blade lock
- Belt clip and wrist strap

$3.33
Order Code: 136-772602

19 **100mm Magnifying Glass** 45% OFF

- General purpose magnifying glass
- Suitable for fine inspection, map reading, stamp and coin collecting, easy reading etc.
- Magnification: 3x
- Diameter: 100mm

$2.65
Order Code: 210-319702

20 **3.5" LensTable Magnifying Lamp** 40% OFF

- 12w Naturalight™ tube (energy saving)
- 9cm (3.5") diameter lens (1.75X) with inset lens (4X)
- Supplied with tube and lens cover
- Height: 35cm / 13.7"

$71.12
Order Code: 184-836402 ▲

21 **150mm Digital Caliper** 50% OFF

Measuring Capacity 150mm (6"), Graduation 0.01mm, Accuracy 0.03mm

- LCD, internal/external measurement
- True mm/inch conversion
- Thumb roll for fine adjustment
- Fitted case with spare battery

$32.19
Order Code: 131-513502 ●

22 **18 Compartments Box** 45% OFF

- Colour: Transparent
- Material: Plastic
- 230 x 125 x 35mm

$2.21
Order Code: 144-737702

23 **100 Piece All Purpose Bit Set**

- Drive Adaptor
- Magnetic hex bit driver
- Hook hanging bit (Y-design)
- Socket drive bit
- Hex wobble adaptor

$14.31
Order Code: 144-753802

24 **410 Piece Stainless Steel Self Tapping Screw Set**

- Contains 8 popular sizes
- Pan head
- Made from stainless steel
- Supplied in a handy, transparent assortment case

$8.54
Order Code: 244-437002 ▲

25 **Wall Organiser Cabinet** 60% OFF

- 40 clear compartment pull out trays
- 1 large transparent tray
- Robust impact resistant plastic
- Suitable for wall or desk mounting
- Dimensions: (LxWxH) 310 x 138 x 444mm

$16.25
Order Code: 144-738402

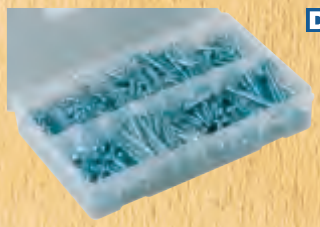
26 **42 Piece Screwdriver Accessory Kit** 25% OFF

The kit contains: 1 x 150mm flexible shaft, 1 x High torque screwdriver bit holder, 2 x Insulated screwdrivers, 6 x screwdrivers, 7 x precision screwdrivers, 25 x 25mm/1" screwdriver bits & holder

- Kit supplied in moulded case

$19.50
Order Code: 144-744102

DURATOOL



30% OFF

Pozi Pan Head Machine Screw Selection Pack

- Steel and zinc plated
- Box size: 215 x 140 x 42mm with lugs on the lid for easy stacking with like boxes

$22.81

Order Code: 146-669102

DURATOOL

45% OFF

Metric Nylon Screw Kit

This screw kit contains a range of natural Nylon 6,6 screws, nuts and washers in various lengths of M3, M4 and M5 sizes which are suitable for a wide variety of applications. Nylon 6,6 has a short term working temperature of -40 to 100 °C and offers a good resistance to most solvents, aromatic hydorcarbons, dilute alkalis, detergents, oils, greases, and fats. It also offers a limited resistance to dilute acids.

$61.64

Order Code: 151-447902

DURATOOL

25% OFF

19.5" Steel Tool Box

- Box colour: Grey
- External depth: 266mm
- External height: 289mm
- External width: 498mm

$37.78

Order Code: 237-303202

70% OFF

Dispenser with Solder

- Handy sized solder dispenser
- Snap-on cover with feed hole and inspection hole
- Ideal for bench and field service work
- 6 metres of multicore 60/40tin lead alloy solder 22swg

$4.93

Order Code: 146-70602

DURATOOL

45% OFF

Component Pre-Forming Tool

- Simple to use component preforming tool for precise 90° bending of leads such as resistors, diodes, etc.
- Pitch is easily adjusted via a thumbwheel on the tool
- Fast and accurate setting of pitch by alignment with PC8 holes
- Ability to crop to length at the same time
- Designed to work on miniature components

$95.95

Order Code: 202-273802

HARWIN

UP TO 80% OFF

Hexagona Brass Nickel Plated Spacers

- Female to female threaded spacers
- Pack of 25

Type	Length(mm)	Order Code	Price Each
M4	12	957-09402	$9.18
M4	14	957-10002	$9.94
M4	16	957-11202	$10.77
M4	25	957-14802	$16.32

DURATOOL

65% OFF

Wire Cutter and Stripper

- Wire capacity up to 10 AWG (0.5mm2)
- Cuts and strips both solid and stranded wire
- Adjustable screw stop for different wire sizes

$4.95

Order Code: 312-561002

DURATOOL

65% OFF

Cross Check Spirit Level

- Levels any surface in 2 directions
- Dimensions: 44mm x 60mm x 13.5mm
- 2 Screw holes for mounting 4mm dia. x 25mm centres
- Accuracy 3mm per metre

$7.29

Order Code: 176-264202

DURATOOL

UP TO 65% OFF

VDE Combination Pliers

- Chrome vanadium steel
- 2 colour handle with slip guard
- Individually tested to 10,000V
- Meets VDE 0682-0201, IEC 60900

Size	Order Code	Price Each
180mm	149-633602	$22.56
200mm	149-633702	$22.76

DURATOOL

60% OFF

12ml Curved Syringe

- General purpose syringe (12ml) with curved nozzle
- Ideal for liquid application in hard to reach areas

$8.69

Order Code: 182-643402

DURATOOL

65% OFF

Assorter Case

- Secured by hinges
- Ideal for storing small components and fasteners
- Complete with sliding lock to secure the lid
- Set of 4 assorter case suitable for wall or bench mounting

Size: 320x260x50mm

$5.78

Order Code: 210-320602

DURATOOL

60% OFF

Precision Pen-Oiler

- Precision placement of oil or other lubricants
- Smooth actuator allows for greater control
- All aluminium construction
- Protective screw-on cover prevents leakage
- Convenient pocket clip
- Overall length:140mm

$8.10

Order Code: 166-478402

All prices in NZD$ | GST exclusive

35% OFF

Premium Electricians Toolbelt

- Padded Belt
- Dimensions: 670 x 110 x 350mm (W x D x H)
- Drill Holster
- Electrician's Tool Pouch
- Mobile phone holder

$77.58

Order Code: 231-858602

65% OFF

160mm Cable Cutter

- For one handed use on cables up to 14mm / 9/16 " in dia (50mm2)
- Compact but extremely powerful on copper and aluminium cable
- Max Cutting Capacity: 16mm
- Razor sharp edges cut cleanly through cable with no 'squeeze', additional knife like edges can also split insulation with ease
- Not suitable for steel wire

$59.44

Order Code: 725-430102

45% OFF

Threadlocker

- 250ml
- Dispensing method: Bottle
- Adhesive type: Acrylic
- Adhesive colour: Green

$304.00

Order Code: 137-015802

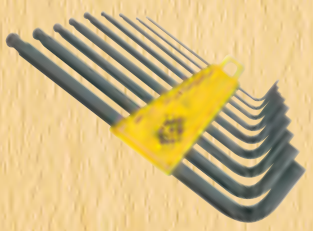
65% OFF

High Temperature Silicon Adhesive

- 75ml
- Dispensing method: Tube
- Sealant type: Silicone RTV
- Adhesive colour: Black

$19.69

Order Code: 166-736802



85% OFF

9 Pc Hexagon Key Set

- Ball end drive on long arm
- Ideal for restricted access
- 9 piece AF
- Supplied in plastic storage rail

$19.65

Order Code: 628-72402

55% OFF

'Sylgard' Silicone Elastomer – 170

Note: Not suitable for medical applications

- Two-part medium-low viscosity liquid silicone
- Cures at room temperature to a flexible flame retardant rubber
- Meets UL94V-O and MIL-S-23586D
- Designed for general potting and encapsulating applications of modules, relays, power supplies, amplifiers, transformers, ferrite cores and connectors
- Colour: Black/Grey

$930.44

Order Code: 101-69402

UP TO 20% OFF

Flux Remover Cans

- Dispensing method: Can
- Cleaner applications: Metal
- Shelf life 48 Months
- Removes flux residues and other contaminants; suitable for micro-etching processes prior to plating

Mftrs Part No.	Volume	Order Code	Price Each
SWA05L	5L	243-285602	$43.38
SWA20L	20L	243-285702	$126.21

UP TO 40% OFF

'Silastic' RTV Silicone Adhesives

Note: It is not recommended to use any of these products in medical applications

- **732** - Ideal for sealing joints, wire entries and connectors, for waterproofing pumps, motors, switches and enclosures, for glass to metal bonds etc
- **744** - Ideal for electronic unit assembly, particularly those containing corrosion and vibration sensitive components
- **3145** - Suitable for use as a conformal coating protecting corrosion sensitive components, PCB's and encapsulating small circuits

Type	Colour	Size	Order Code	Price Each
732	Black	310ml	228-963602	$14.60
744	White	310ml	521-83802	$18.53
3145	Transparent	310ml	879-347602	$128.69

10% OFF

Low Volt Soldering Irons

- Replacement anti-corrosion tip
- Ideal for Hobbyist and Students
- Economical, lightweight stick iron

Mftrs Part No.	Output Power	Order Code	Price Each
H500W HAKKO RED	20w	246-004702	$19.26
H503W HAKKO RED	60w	246-004802	$23.04

40% OFF

Quickset Cobra Waterpump Pliers

- Fully open, push, grab
- Chrome vanadium electric steel, forged, oil-hardened construction
- Plier Style: Slip Joint
- 250mm length
- Jaw opening max: 50mm

$41.84

Order Code: 240-959002

85% OFF

T6 Precision Screwdriver

- Superslim screwdriver
- Blade length: 50mm
- Overall length: 131mm
- Torx tip size: T6
- Chrome vanadium steel blades

$0.59

Order Code: 210-327602

30% OFF

Crimp Tool for HD20 Contacts

- Features 2 fixed dies, 2 movable dies, 3 crimp sections with applicable wire size markings, a contact support, a locator insulation stop and a ratchet release lever
- Ratchet assures full crimping of the contact
- Locator / insulation stop has two functions
- Contact support prevents the contact from bending during the crimping procedure
- Ratchet release lever enables the user to open the partially closed tool handles when necessary

$334.89

Order Code: 421-812702

Customise Your Workbench

All prices in NZD$ | GST exclusive

RoHS Compliant Non-compliant

Free next day delivery on eligible orders*

Specials

6 Piece Tool Kit

DURATOOL 45% OFF

Kit Contents:
- 6" Combination Pliers
- Slotted screwdriver 5mm
- Phillips screwdriver PH3
- 8oz Claw hammer
- 3.5m Tape measure
- Craft knife

A 6 piece tool kit supplied in a sturdy carry case.

$15.94
ORDER CODE 210-325002

Self-adjusting Stripper and Cutter

DURATOOL 75% OFF

- Features an adjustable stop and dial adjustment for blade pressure to reflect the length and thickness of insulation being stripped
- Self-adjusting wire stripper for 0.2mm to 6mm wire

$15.13
ORDER CODE 312-562202

VDE Snipe Nose Pliers

DURATOOL 45% OFF

- Serrated jaws with cutter
- Chrome vanadium steel
- Size:160mm
- 2 colour handle with slip guard
- Individually tested to 10,000V

$20.48
ORDER CODE 149-633002

Sharp Tweezers

DURATOOL 65% OFF

- Overall lenght: 110mm
- Tweezer body material:PET (Polyester) Epoxy Coated Stainless Steel
- Tweezer type: sharp

$17.15
ORDER CODE 161-632702

22 Pc Combination Spanner Set

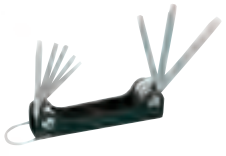
DURATOOL 50% OFF

- Offset metric combination wrenches
- Polished chrome vanadium steel (22 piece)
- Equal sizes at both ends
- 22 Piece: 6,7,8,9,10,11,12,13,14,17 & 19mm, 1/4",5/16",3/8",7/16",1/2",9/16",5/8",11/16",3/4", 13/16" & 7/8"

$23.74
ORDER CODE 244-453002

8 Pc Fold-up Tamperproof Torx Set

DURATOOL 65% OFF



- Professional quality tamper proof Trox keys manufactured from chrome vanadium steel
- Set contents: T9, T10, T15, T20, T25, T27, T30, T40

$8.05
ORDER CODE 312-717502

Spring Hook

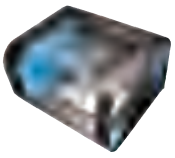
DURATOOL 75% OFF

- Precision tools for handling small springs, wires, etc.
- Ideal for the service/maintenance engineer

$2.08
ORDER CODE 312-531202

3D Printer

robox



- Dual-head print nozzle design improves print speed by up to 300% compared to other printers
- Smartest printbed around
- Super-intelligent reel system
- Easy to use software
- Automatic bed levelling for less fiddly use
- Pause and resume your multicolour printing
- Heated platform to ensure surface cools correctly
- ABS(Acrylontrile Butadiene Styrene) and PLA(Polyactide) plastic print support

$1,752.12
ORDER CODE 244-873102

148 Piece Professional Tool Set

Crescent 60% OFF

- Chrome vanadium ratchets, sockets & screwdrivers
- Carry / storage case can be wall mounted

2 x pliers
4 x magnetic screwdrivers
1 x magnetic bit screwdriver
40 x driver bits & 4 holders
16 x hex keys & 2 holders

10 x ½ " drive sockets & 1 ratchet
16 x ⅜" drive sockets & 1 ratchet
10 x ⅜" drive deep sockets
20 x ¼" drive sockets & 1 ratchet
7 x socket accessories
12 x combination wrenches

$169.41
ORDER CODE 109-821202

Original HP Inkjet Cartridges

hp invent 20% OFF

Mftrs. List No.	Cartridge No.	Col/Blk	Order Code	Price Each +
C8767E	No. 339	Black	869-518002	$106.80
C9363E	No. 344	Colour	869-519902	$118.96

26 Piece Mini Tool Kit

DURATOOL 25% OFF

- 9 x Bit assortment: PH1, PH2, PH3, slotted 5, 6 and 7mm, & torque 10, 15 and 20mm
- 1 x adaptor
- 1 x magnetic tip handle
- 1 x 5" mini long nose pliers
- 1 x 4.5" mini side cutters
- 1 x 115mm tweezers
- 4 x ¼" drive sockets: 5,6,8 and 10mm
- 1 x extension bar
- 6 x precision screwdrivers - 4 slotted and 2 phillips

$9.63
ORDER CODE 136-704402

Handheld True RMS Digital Multimeters

TENMA NEW

- Duty cycle, diode & continuity testing
- 6000 count display
- Auto and manual ranging
- Data hold, auto power off & low battery indicator
- Relative mode
- No. of digits: 3.75
- Supplied with: Battery, Test Lead and Temperature Probe

Mftrs. List No.	Voltage Measure AC Max	Current Measure AC Max	Order Code	Price Each 1+
72-7780	600	10	245-066202	$84.75
72-10410	750	10	245-066302	$92.87

All prices in NZD$ | GST exclusive

Helios H4 Crimp Tool

Amphenol Commercial Products

35% OFF

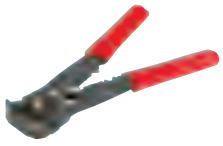
- Mftr Part No. H4TC0001
- Crimper tool for machined contact
- Has the capability to crimp both machined contact and stamp & formed contact, the only difference is the insert die.
- Machine insert die can crimp 14-8awg contact, 10awg & 8awg
- Stamp & formed insert can crimp 14awg-10awg contact

$179.04

ORDER CODE 205-787902

5-in-1 Automatic Wire Stripper

DURATOOL



55% OFF

- Designed for easy wire stripping
- Steel jaws automatically adjust to strip wire from 10-26AWG
- Built-in wire cutter
- Crimps insulated and non-insulated terminals 10-22AWG
- For use with solid and stranded wires

$13.03

ORDER CODE 125-716702

H808-10 Desoldering Gun

For trade and industrial use only

HAKKO

30% OFF

- Thin, comfortable grip and low vibration
- High performance diaphragm pump at the rear of the unit means simple and inexpensive pump maintenance
- Tip-to-ground potential /resistance less than 2mV / 2 ohms
- Adjustable temperature control 380 - 480C
- Optional carry case and iron holder
- For Additional Spares refer to Desoldering Gun & Accessories Section

$491.75

ORDER CODE 128-621102

PLA Filament

robox

- A full reel of high quality PLA Filament
- Each reel is sealed in a reusable zip lock bag with a sachet of silica gel to control moisture
- Included on the reels are an eprom which can be read by a Robox device
- The eprom stores data on the material and statistics of use
- Filament diameter: 1.75mm
- Length: 240m
- Compatible with any printer which accepts 1.75mm filament

Mftrs. List No	Description	Order Code	Price Each
PLA Material			
RBX-PLA-BK092	Black	244-017402	$63.08
RBX-PLA-BL823	Blue	244-017502	$63.08
RBX-PLA-FS391	Grey	244-017602	$63.08
RBX-PLA-GR497	Green	244-017702	$63.08
RBX-PLA-OR022	Orange	244-017802	$63.08
RBX-PLA-PP157	Purple	244-017902	$63.08
RBX-PLA-RD534	Pink	244-018002	$55.71
RBX-PLA-RD536	Red	244-018102	$63.08
RBX-PLA-TP001	Transparent	244-018202	$63.08
RBX-PLA-WH170	White	244-018302	$63.08
RBX-PLA-YL503	Yellow	244-018402	$63.08

Bench Power Supply

TENMA

- Multi range 80W output
- Mftr. List no. 72-8355
- Variable voltage and current
- Switch mode technology for improved operating efficiency
- Output Voltage Min: 0V
- Output Voltage Max: 36V
- Compact ergonomic design occupies a small bench area

$263.93

ORDER CODE 157-342902

Insertion Tool for LSA-Plus

KNIPEX

Length: 175 mm

60% OFF

- Insertion Tool for use with boards, sockets and patch fields
- Cut and push down in one operation
- For UTP and STP cables, conductor cross section 0.4mm to 0.8mm diameter
- Integrated pulling hook and release blade
- Length: 175mm

$70.77

ORDER CODE 413-409602

Soldering Iron Tips

HAKKO

40% OFF

- For use with: Hakko FM-2032 Soldering Iron with FX-951, FM-203 & FM-206 Soldering Stations

Tip Width	Tip Type	Mftrs. List No.	Order Code	Price Each +
0.6	Chisel	T30-D06	245-433202	$59.12
0.2	40° Conical Bent	T30-J	245-433502	$67.65
1.4	45° Knife	T30-KN	245-433702	$67.65

Slotted Screwdriver

20% OFF

- Slotted Screwdrivers according to **DIN5262** with extra long blade and red, transparent square handle.
- The blade is through hardened and nickel-plated.
- Tip size: 3mm
- Blade length: 300mm

$9.61

ORDER CODE 108-70802

Round Point Tweezer

COOPER CooperTools

- Overall length: 152mm
- Tweezer Type: Serrated
- Tweezer material: Steel

$9.27

ORDER CODE 441-20002

Voltage Test Screwdriver

95% OFF

- For voltage, polarity, continuity testing, bulb/fuse testing and microwave leakage detection.
- Features an integral LED indication and contact/non contact inductive testing
- AC Voltage Test: Contact 70 to 250V AC
- AC Voltage Test: Non- Contact 70 to 600V AC
- Polarity Test: 1.5V to 36V DC

$1.80

ORDER CODE 428-433102

30 Piece Diamond Burr Set

DURATOOL

25% OFF

- Great for craft, modelling and repair
- 3.17mm shank, 150 diamond grit
- Can be used on ceramics, tiles, brick, glass, plastics, fibreglass, steel and wood

$5.87

ORDER CODE 171-214002

FX100 Induction Heating Soldering Station

HAKKO

- Induction heater continuously powers the soldering iron and maintains the set temperature
- No calibration necessary
- Heat temperature max. 450°C
- Output power: 50W
- Compatible with T31 series tips

$841.38

ORDER CODE 245-366302

Specials

All prices in NZD$ GST exclusive

RoHS Compliant Non-compliant

Free next day delivery on eligible orders*

TENMA®

BROAD RANGE · GREAT VALUE · QUALITY ASSURED · 24/5 SUPPORT

Exclusive to element14

Soldering Tips

35% OFF

- Supplied in packs of 10

Mftrs. List No.	Tip Size	Tip Style	Order Code	Price Per Pack
21-10140	0.8mm	Chisel	206-263502	$45.83
21-10142	1.2mm	Chisel	206-263602	$45.83
21-10144	1.6mm	Chisel	206-263702	$45.83
21-10150	0.2mm	Conical	206-264002	$45.83

Nozzles

NEW

35% OFF

- For use with SMD Rework Station
- Material: Stainless steel, coated with nickel

Mftrs. List No.	Nozzle Width	Order Code	Price Each
21-10160	NOZZLE, SINGLE, 2.5MM	206-264602	$5.36
21-10162	NOZZLE, QFP, 10.2MM	206-264702	$10.43
21-10164	NOZZLE, QFP, 15.2MM X 15.2MM	206-264802	$10.43
21-10168	NOZZLE, SINGLE, 4.4MM	206-265002	$5.36
21-10170	NOZZLE, SINGLE, 7.3MM	206-265102	$5.36

Digital Current Calibrator

72-6694

An easy to use portable,hand-held instrument for calibrating process devices.

- Adjustable 0 - 24mA current source
- Drives load up to 500Ω
- Includes owner manual,test lead and battery

$159.12

ORDER CODE **356-268202**

72-7750 Digital Multimeter

- Display back light
- Fused 10A range
- Power: 9V battery (LF22) INCLUDED
- Includes: Test leads, manual, point contact temperature probe, test clip, RS-232C cable and software
- 3.75 digit LCD, 5999 count
- Auto/Manual ranging selector

$129.92

ORDER CODE **242-745202**

Clamp Meters with Frequency

72-7224 and 72-7226

True RMS

Perfect for general purpose applications, this compact clamp meter measures AC/DC voltage, AC/DC current, resistance, frequency and duty cycle.

W=90 H=260 D=45mm. Weight 530g

	Range	Accuracy
DC Voltage	400mV to 600V	± 0.8% + 1 Digit
AC Voltage	4V to 600V	± (1.0% + 5d)
DC Current		± (2.0% + 3d)
AC Current		± (2.5% + 5d)
Resistance	400ohm to 40Mohm	± (1.0% + 2d)
Frequency	10Hz to 10MHz	± (0.1% + 3d)
Duty Cycle	0.1% to 99.9%	

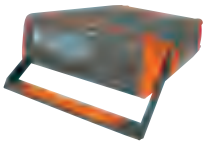
- 3999 count autoranging display
- 10MΩ input impedance
- 25mm clamp diameter
- Relative mode
- Diode test and Continuity buzzer
- Data hold
- Sleep mode and Low battery indicator
- Powered from 1x 9V battery (included)
- Supplied with zipper case, test leads, owners manual

Additional Features: Model 72-7226

- True RMS AC measurements

Mftrs. List No.	Order Code	Price Each
72-7224	128-364002	$63.51
72-7226	128-364102	$108.21

3.5 Digit Bench Top Digital Multimeter



- 103 x 35mm LCD size
- 300mm x 245mm x 105mm
- 1999 Counts
- Current measure AC Max : 10A
- No. of digits: 3.5
- Temperature Measuring Range: -40°C to +1000°C
- Includes: Test Lead, Manual, Alligator Clip, Point Contact Temperature Probe, Multi-Purpose Socket, AU/NZ mains

$125.79

ORDER CODE **183-606102**

Hand Held Digital Multimeter

72-7720

- Max Voltage - 750VAC and 1000VDC
- Max AC and DC Current- 20A
- Max Resistance - 200MΩ
- Capacitance - 2nF to 100µF

$41.66

ORDER CODE **743-057402**

Multimeter, Digital, Pocket - 72-7935

- DMM Type: Handheld
- Voltage Measuring Range DC: 400mV to 300V
- Voltage Measuring Range AC: 4V to 300V
- Capacitance Measuring Range: 4nF to 200µF

$27.41

ORDER CODE **918-364702**

SMD Rework Station

25% OFF

For trade and industrial use only

- Dual LCD screen immediately displays working conditions and sets of parameters
- Rapid temperature rise
- Convertible temperature units °C/°F
- Hot air gun is compatible with various kinds of nozzles
- Sleep mode, automatic switch-off for energy saving
- Three groups of stored data facilitate usage
- Temperature compensation ensures stable temperature state

Supply Voltage	220V
Power	Hot Air Gun: 800W Pump: 40W Soldering Iron: 50W
Temperature Range	Hot Air Gun:+100°C to +500°C Soldering Iron:+200°C to +480°C
Air Volume	20-100% from max.

$234.60

ORDER CODE **206-263302**

Autoranging Multimeter with RS-232

72-7750

Included : standard test leads, short leads, 4' opto-coupled RS-232 cable with female DB9 connector and datalogging software

- Switchable auto/manual range
- Diode check plus continuity buzzer
- Large backlit LCD display
- 3 ¾ digit, 5999 count display
- Data hold
- Meets 600V CATIII, and 1000V CATII standards

$97.96

ORDER CODE **743-062002**

Free next day delivery on eligible orders!*
Free Express Shipping of UK stocked products with 3-4 day delivery straight to your door, UPS tracking and no hidden fees or taxes

Terms and conditions apply
http://nz.element14.com/freight

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Exclusive to element14

3999 Hand Held Digital Multimeters

35% OFF

	72-7735	72-7740	72-7745
Max Display	3999	3999	3999
Basic DC Accuracy ±%	0.8	0.8	0.8
True RMS AC			●
Maximum Voltage AC/DC	750/1000	750/1000	750/1000
Auto Range	●	●	●
Maximum Current AC/DC	10/10A	10/10A	10/10A
Maximum Resistance	40MΩ	40MΩ	40MΩ
Continuity Beeper	●	●	●
Frequency	10Hz - 10MHz	10Hz - 10MHz	10Hz - 10MHz
Capacitance	40nF - 100µF	40nF - 100µF	40nF - 100µF
Diode Test	●	●	●
Temperature		-40°C - 1000°C	-40°C - 1000°C
Data Hold	●	●	●
Min/Max	●	●	●
Relative Mode	●	●	●
PC Interface	●		●
Backlight Display		●	●
Others	Duty cycle	Duty cycle	Duty cycle
CAT rating	600V CAT III	600V CAT III	600V CAT III

Mftrs. List No.	Order Code	Price Each
72-7735	**743-059002**	$50.61
72-7740	**743-060402**	$84.67
72-7745	**743-061202**	$100.15

Resistance Decade Box

72-7270

- Maximum stray internal resistance is ⅓ohm
- Colour coded binding posts provide resistor and ground connections
- Passive device requires no power source
- Dimensions (WxHxD): 146x114x32mm
- Ideal for service, prototype and experimental use, this useful tool may be set at any value from 1~11,111,110ohm, in one ohm increments.
- Twenty eight individual slide switches allow the user to quickly and easily select resistor values.

$129.80
ORDER CODE **490-845402**

Dual Channel Digital Thermometer

- 4 Digit LCD diplay with dual readings and backlight
- Measuring Range-150°C to + 1372 °C
- Dual probe inputs
- K, J, T and E type probe compatibility
- Max/Min/Dif/Avg temperature display with hold function
- Sleep mode and low battery warning
- USB data transfer and datalogging (software supplied)
- USB or 9V battery Power
- Supplied with 9V battery, software, USB lead, K type probe and user manual

$126.69
ORDER CODE **156-371702**

Oscilloscope Probes

- Low noise
- 1.2m cable length
- 600V maximum (DC+AC peak)
- 10-35pF compensation adjustment
- X1/X10 attenuation (76-107 is X10 only)
- Includes accessory kit and storage pouch
- 1Ω (X1) and 10MΩ (X10) input impedance

A range of high quality, low cost replacement probes.

Mftrs. List No.	Bandwidth	Order Code	Price Each
76-102	100	**342-159402**	$40.43
76-105	200	**342-160002**	$40.32

Insulation Resistance Tester

- Functions: insulation resistance, resistance, DC voltage and AC voltage
- Auto ranging
- Alarm light display and buzzer
- Low battery indication

Insulation Testing Voltage	Insulation Test Resistance	Mftrs. List No.	Order Code	Price Each +
250V, 500V, 1kV	3Mohm to 2Gohm	72-9400	**206-409602**	$131.99
500V, 1kV, 1.5kV, 2.5kV	500kohm to 100Gohm	72-9405	**206-409702**	$256.69

LAN Tester & Multimeter

- Selectable auto/manual range selection
- Verifies correct wiring of 10 Base-T & 10 Base Thin Ethernet, RJ-45, RJ11, RJ12 and BNC network cables
- Supplied with 1x 9V & 2x AA batteries, test leads, BNC network cable adaptors, zipper carry case and owners manual.
- Compact 2-in-1 unit
- Autoranging multimeter functions
- 2,000 Count LCD display

$67.05
ORDER CODE **174-943302**

Bench Top Power Supplies

Dual Output

Kit Contents: Power supply, User manual & AU/NZ power cord.

- Complete digital control
- Dual output
- 10mV / 1mA resolution
- Low noise and ripple
- CV / CC constant voltage and constant current mode
- Output Voltage Min: 0V
- Output Voltage Max: 30V
- 5 sets of parameters can be stored and recalled
- Output switch control
- Power-off memory function
- Keyboard lock function

Mftrs. List No.	Output Current Max.	Order Code	Price Each
72-10495	5A	**225-194702**	$225.46
72-10500	3A	**225-194802**	$206.53

Single Output DC Power Supplies

NEW

- Complete digital control / programmable10mV / 1mA resolution
- Low noise and ripple
- CV / CC constant voltage and constant current modes
- OCP and OVP settings, constant protection mode
- 5 sets of parameters can be stored and recalled
- Output switch control
- Power-off memory function

Mftrs. List No.	Voltage Output Max	Current Output Max	Power Rating	Order Code	Price Each 1+
72-2535	30V	3A	90W	**244-541102**	$194.80
72-2540	30V	5A	150W	**244-541202**	$215.03
72-2550	60V	3A	180W	**244-541402**	$250.44

LCR Smart Tweezers

NEW

- L, C, R and ESR measurement
- Bright and easy to read OLED display
- Automatic or manual identification with automatic parallel or series equivalent circuit selection
- Automatic or manual test frequency selection
- Standard micro-USB connector for battery charger
- Auto power off
- Precision, gold-plated tips
- Supplied with: Rechargeable Li-Po battery and Protective holster

$427.52
ORDER CODE **244-403602**

U1450A/U1460A Series Insulation Resistance Testers

KEYSIGHT TECHNOLOGIES

DMM Functionality

- Remote testing coupled with report generation capability
- 50 V/100 V/250 V/500 V/1000 V test voltages
- Up to 260 GΩ insulation resistance range
- Tested to withstand a 3 meter (10-ft) drop
- CAT III 1000 V/CAT IV 600 V safety ratings

Mftrs. List No.	Insulation Test Voltage Range	Order Code	Price Each 1+
U1451A	250V, 500V, 1kV	241-967202	$679.77
U1452A	50V, 100V, 250V, 500V, 1kV	241-967302	$947.90
U1452AT	50V, 100V	241-967402	$812.16
U1453A	50V, 100V, 250V, 500V, 1kV	241-967502	$1,073.62
U1461A	50V, 100V, 250V, 500V, 1kV	241-967602	$1,210.46

SureGrip Test Leads and Accessories

FLUKE

Image shown of TL224 Test Lead Set

SureGrip Silicon Test Lead Sets: Sets of 1.5m, red + black test leads with shoruded 4mm type plugs. Suitable for use with the SureGrip range of test probes and clips.
SureGrip Alligator Probe Set:A pair (red + black) of insulated, trigger action alligator type clip probes with blunt heads for gripping objects up to 9.5mm OD.

Description	Mftrs. List No.	Order Code	Price Per Pack 1+
Test Leads (Pair)			
Straight to 90°	FLUKE TL224	431-407402	$53.44
Probes and Clips (Pair)			
SureGrip™ Alligator Clips	FLUKE AC285	431-416502	$42.07

Passive Probe 50MHz

Tektronix

- 3.2% Accuracy
- For use with Tektronix TBS1000B & TBS1000B-EDU oscilloscopes
- 10X attenuation

$48.77
ORDER CODE 240-084902

Fluke 51 Series II Thermometer

FLUKE

- Laboratory accuracy (0.05% + 0.3°C) in a rugged, handheld test tool.
- Relative time clock on MIN, MAX, and AVG provides a time reference for major event
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- Measures J, K, T, and E-types of thermocouples
- Readout in °C, °F, or Kelvin (K)

20% OFF

$489.02
ORDER CODE 318-336102

5.5 Digit Dual-Display Digital Multimeter - 2110 series

KEITHLEY A Tektronix Company

- High accuracy, high speed for general purpose measurements
- Ideal for production and monitoring applications in which speed is critical
- 15 measurement functions, including capacitance and thermocouple measurements
- Up to 50,000 readings per second
- Dual-line display allows concurrent measurements
- Store up to 2,000 readings
- Operational and intuitive, the functions on the front panel are user friendly and easy to read

$1,127.02
ORDER CODE 229-157302

Handheld Digital Multimeters

KEYSIGHT TECHNOLOGIES

U1230 Series

- Built-in LED flashlight to illuminate test area
- Flashing backlight as additional visual alert during continuity tests in noisy environments
- Vsense to perform non-contact voltage detection
- Data logging capability (stores up to 10 readings)
- IR-to-USB connectivity to transfer data to PC for record
- Freezes and stores current measurement value
- Bar graph indication and frequency measurement path

Mftrs. List No.	Description	Order Code	Price Each
U1231A	AC/DC Voltage, Capacitance, Diode, Frequency, Resistance	190-336902	$129.06
U1232A	AC/DC Current, AC/DC Voltage, Capacitance, Diode, Frequency, Resistance	190-337002	$182.46

Truevolt Series 6½ digit Digital Multimeters

KEYSIGHT TECHNOLOGIES

- Measure up to 1000 V with 6½ digits resolution
- DCV, ACV, DCI, ACI, 2- and 4-Wire Resistance, Frequency, Period, Continuity, Diode, Current, Temperature
- Up to 0.0035% + 0.0005% range
- Up to 1,000 readings(34460A) and up to 10,000 readings (34461A), plus front panel USB as well as front and rear terminals (34461A only)
- 1000 V max input
- Colour graphical display with Number, Histogram, Bar Chart, Trend Chart, Math and Statistics
- USB (34460A) and USB & LAN (34461A) I/O connectivity
- 3 year manufacturers warranty

Mftrs. List No.	Order Code	Price Each 1+
34460A	231-106102	$1,179.07
34461A	231-106202	$1,368.95

Digital Dual Input Thermometer

FLUKE

Fluke 52 II

52 Series II:

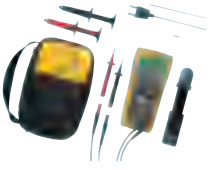
- Large backlit dual display shows any combination of T1, T2, T1-T2 plus MIN, MAX, or AVG
- Relative time clock on MIN, MAX, and AVG provides a time reference for major events
- Electronic Offset function allows compensation of thermocouple errors to maximise overall accuracy
- Measures J, K, T and E-types of thermocouples
- Readout in °C, °F, or Kelvin (K)
- Sleep mode increases battery life

20% OFF

$602.10
ORDER CODE 318-337302

Industrial Electricians Combo - Fluke 179/1AC-II Kit

FLUKE



179/1AC-II Kit Includes:

- Fluke C35 Soft Case
- ToolPack Magnetic Meter Hanger
- AC220 SureGrip™ Alligator Clips
- TP220 SureGrip™ Test Probes
- TL224 SureGri™p Silicone Test Leads
- Fluke 1AC-A Non-Contact Voltage Detector (Australian Version)
- Limited lifetime warranty on the multimeter, 1-year on all accessories

$602.61
ORDER CODE 128-967702

True-RMS Digital Multimeters

FLUKE

114 and 115

Feature	114	115
AutoVolt: automatic ac/dc selection		●
LoZ: low input impedance to prevent ghost voltages		●
AC/DC Voltage Measurements	●	●
AC/DC Current Measurements		●
Resistance / Continuity	●	●
Frequency and Capacitance		●
Diode Test		●

20% OFF

Description	Mfrs. List No.	Order Code	Price Each
MULTIMETER, DIGITAL, HAND HELD, 6000	114	127-459802	$210.69
MULTIMETER, DIGITAL, HAND HELD, 6000	115	127-459902	$241.61

All prices in NZD$ | GST exclusive

Single Output DC Power Supplies

KEYSIGHT TECHNOLOGIES

U8000A Series

- Excellent load and line regulation:(CV: <0.01% +2 mV;CC: <0.02% + 2mA)
- Low output noise: 1 mVrms (20 Hz to 20 MHz)
- Over Voltage and Over Current Protection
- Standby output for safety purposes
- Save-and-recall function up to three memory states

Mftrs. List No.	Description	Order Code	Price Each
U8001A	90W Power Supply, 30V/3A DC	163-731102	$413.87
U8002A	150W Power Supply, 30V/5A DC	163-731202	$519.61

Benchtop Digital Multimeter

KEYSIGHT TECHNOLOGIES

34401A

5% OFF

Gives you the performance you need for fast, accurate bench and system testing. The 34401A provides a combination of resolution, accuracy and speed that rivals DMMs costing many times more.

- 1000 readings/sec. direct to GPIB
- Continuity and Diode Test functions
- Null feature allows you to remove lead resistance and other fixed offsets in your measurements
- Voltmeter Complete and External Trigger signals provided so you can synchronise to other instruments
- Min / Max / Avg readouts
- Direct dB and dBm measurements
- Data Hold capability
- Store up to 512 readings in internal memory
- TTL output indicates Pass/Fail

W=254, H=104, D=374mm. Weight 3.6kg

$1,553.14
ORDER CODE 133-586602

Handheld Digital Multimeter

KEYSIGHT TECHNOLOGIES

U1241B

15% OFF

- Basic functions: DCV, DCI, ACV, ACI, resistance, frequency, continuity, diode test
- Manual and autoranging
- Continuity beeper and diode test
- Adjustable backlighting
- Min/Max recording
- Built-in probe holder
- Overmould body casing
- CAT III 1000V OV protection
- Dimensions (HxWxD): 194 x 92 x 58mm

Supplied with batteries, certificate of calibration, test leads, quick start guide and product reference CD.

$274.02
ORDER CODE 178-032502

170 Series Digital Handheld Multimeters

FLUKE

20% OFF

- General-purpose multimeters - Voltage , current, resistance, continuity, diode, frequency, capacitance and temperature measurements
- True RMS AC voltage and current readings
- Digital display with analog bargraph and backlight
- Manual and automatic ranging
- Display Hold and Auto Hold
- Cat III, 1000V/Cat IV 600V
- Min-max-average recording

Fluke 179 includes: 80BK Temperature Probe

Mftrs. List No.	Order Code	Price Each
FLUKE 179	355-869102	$636.72
FLUKE 177	355-868002	$443.43

U1252B Handheld Digital Multimeter

KEYSIGHT TECHNOLOGIES

U1252B

True RMS

20% OFF

Accessories Included:
Soft carrying case, Battery, U1160A Standard Test Lead Kit, Quick Start Guide, User Guide, PC Software, Instrument Drivers, AC adaptor (U1252B only).

- 50000 counts resolution
- 100 manual data storage points
- dBm measurements
- Duty cycle measurements
- Pulse width measurement
- IR to USB connectivity (optional U1173A connectivity cable sold separately)
- -20°C to + 55°C operating temperature
- IEC61010-1 Cat III 1000V safety compliance

U1252B Additional Features:

- 20 MHz frequency counter
- Programmable square wave generator
- Built-in battery charger capability
- Support for J type thermocouple

$589.88
ORDER CODE 178-031902

Fluke 117 Multimeter

FLUKE

20% OFF

- Large 6000 count display with white LED backlight
- Auto/Manual ranging
- Supplied with user manual and TL75 test leads

	Maximum	Max. Resolution
AC/DC Voltage	600V	1mV
DC Current	10A	1mA
AC Current	10A	10mA
Resistance	40MΩ	0.1Ω
Capacitance	10mF	1nF
Frequency	50kHz	0.01Hz

$303.47
ORDER CODE 127-460202

Electrician Kit FLUKE 87V/E2

FLUKE

10% OFF

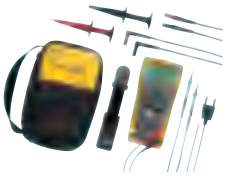
Fluke 87V/E Industrial Electrician Combo Kit includes:

- True RMS Multimeter
- 0.5 m heat resistant silicone test leads
- Removeable test probes with 4mm of exposed metal
- Retractable long reach alligator clips
- Magnetic hanger to position and hold meter to steel surfaces
- Temperature probe
- Durable carrying case

$1,167.64
ORDER CODE 127-283302

Combo Kit Fluke 179/EDA2

FLUKE



10% OFF

Kit Includes:Fluke 179 True-RMS DMM, Fluke C35 Soft Case, TL910 Electronic Test Probes, TL224 SureGrip™ Silicone Test Leads, AC280 SureGrip™ Heavy Duty Hook Clips, Fluke 80BK, Integrated Temperature Probe, ToolPak™ Meter hanging accessory

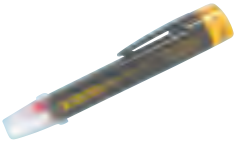
Limited lifetime warranty on the multimeter, 1-year on all accessories

$621.09
ORDER CODE 128-967402

Voltage Detector with Light

FLUKE

Fluke LVD2



10% OFF

Non-contact AC voltage detector and LED flashlight combined into one easy to use pen-style design.

- Detects from 90 to 600 V AC
- Ultra-Bright White LED light with 100,000 hour life
- Rated to CAT IV 600 V
- Dual Levels of Detection, Blue indicates proximity to AC Voltage source, Red indicates you're at the source
- AAA battery included

$76.69
ORDER CODE 132-756302

Fluke 113 Digital Hand Held Multimeter

FLUKE

10% OFF

Fluke 113 Digital Meter Includes:
Fluke 113 digital multimeter
TL75 test leads
One 9V battery
Printed user manual

L=167.1, W=85.1, D=46, Weight=404g

$212.79
ORDER CODE 157-832102

Fluke 233 Remote Display Digital Multimeter

FLUKE

15% OFF

Wireless Range	30 Ft
Safety Rating	CAT III 1000 V CAT IV 600 V
Size (H x W x L) cm	5.3 x 9.3 x 19.3
Weight	604 g

Features:

- First Fluke digital multimeter with a detachable display
- True-rms ac volatge and current for accurate measurements on non-linear signals
- Measure up to 1000 V ac and dc
- Measure up to 10A (20A for 30 secs)
- Frequency up to 50kHz
- Built in thermometer
- Resistance measuring range: 0.1ohm to 40Mohm
- Temperature Measuring Range: -40°C to +400°C

$631.04
ORDER CODE 177-209202

Handheld Digital Multimeter U1253B

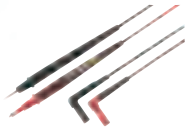
KEYSIGHT TECHNOLOGIES

- Current Measure AC Max: 10A
- DMM Functions: AC/DC Voltage, Capacitance, Continuity, Diode, Frequency, Resistance
- No. of Digits: 5
- DMM Response Type: True RMS
- Range Selection: Auto, Manual
- Resistance Measure Max: 0.5Gohm

$647.90
ORDER CODE 178-032702

Fluke TL175E TwistGuard Premium Test Leads

FLUKE



10% OFF

- Patented extendable tip sheath meets new electrical safety requirements to reduce tip exposure while providing the flexibility you need for most measurements. Just twist the top of the probe body to extend or reduce tip exposure
- Double insulated silicone leads, withstands high temperatures and remain flexible in cold temperatures.
- Probes always show correct category rating for tip being used
- Includes removable 4 mm lantern tips for versatility
- Compatible with all instruments that accept standard 4 mm shrouded banana plugs
- Test lead length 1.2m
- Mftr Part No. TLI75E

$59.41
ORDER CODE 182-718602

Test Measuring Lead

HIRSCHMANN Test & Measurement

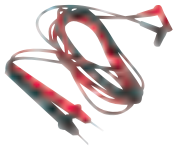
40% OFF

Pin dimensions	4mm
Wire stranding	320 x 0.10mm
Voltage rating	60V
Current rating	32A
Conductor size	2.5mm^2
Pin contact material	Brass
Spring contact material	Copper Beryllii
Plating	Gold
Housing material	PA
Temperature range	-15°C to 70°C

$15.37
ORDER CODE 185-464502

Fluke Test Lead Set TL75-1

FLUKE



TL75 is a pair of hard point test leads(red, black) that meets EN 61010-031 safety requirements.

$32.40
ORDER CODE 189-582002

Handheld Digital Multimeters

U1273A

KEYSIGHT TECHNOLOGIES

Kit Content: Standard test leads, test probes with 19mm and 4mm tips, K-type thermocouple and adapter, 4x AAA batteries, Certificate of Calibration, test report, Quick Start Guide.

- Intelligent features: Z_{LOW}, Smart Ω, OLED display
- Visual (Backlight Alert) and audible continuity indication in noisy environments
- IP 54 certified - water and dust resistant
- Easy connectivity to PC with optional IR-USB cable
- Internal memory for data logging

$597.40
ORDER CODE 205-628702

AC/DC Current Measurement System TCP312A

Tektronix

- Probe Side Connector: Current Clamp
- For Use With: Tektronix Oscilloscopes
- Meter Side Connector: BNC Plug
- Current Range Min: 1mA
- Current Range Max: 30A

$3,578.27
ORDER CODE 231-865102

Mixed Signal Oscilloscopes

MSO2000B Series

Tektronix

- 16 digital channels (MSO series)
- 1 GS/s sample rate
- 1 megapoint record length
- 5,000 wfm/s maximum waveform capture rate
- Suite of advanced triggers

Mftrs. List No.	Bandwidth	Description	Order Code	Price Each
MSO2002B	70	Oscilloscope, MSO, 2CH, 70MHz	219-187402	$3,710.37
MSO2012B	100	Oscilloscope, MSO, 2CH, 100MHz	219-187602	$4,343.34

Dual Display Digital Benchtop DMM

With GPIB interface and 50K extended memory as standard (for a limited period)

KEYSIGHT TECHNOLOGIES

- Fast reading speed of up to 190 readings/sec
- 0.015% DCV accuracy
- 11 measurement functions
- OLED with dual display capability
- Up to 50,000 memory points for data logging and histogram function
- Built-in Histogram function
- Connectivity option: USB, serial connector and w/ GPIB Option
- Trigger In/Out
- Enhanced UI
- Dual functio display
- 4 wire measurements

Kit Contents: Multimeter, Test lead set, Power cord, USN interface cable, Quick start guide, Product reference CD and Agilent IO library suite CD-ROM.

$1,045.80
ORDER CODE 225-078802

TDS3000 Accessories - TCP202A Current Probes

Tektronix

Includes: Instruction Manual, Probe Ground lead - 6 in length, Nylon Carrying Case

$4,677.27
ORDER CODE 225-447102

5.5 Digit Dual-Display Digital Multimeter - 2110 series

KEITHLEY A Tektronix Company

5% OFF

- High accuracy, high speed for general purpose measurements
- Ideal for production and monitoring applications in which speed is critical
- 15 measurement functions, including capacitance and thermocouple measurements
- Up to 50,000 readings per second
- Dual-line display allows concurrent measurements
- Store up to 2,000 readings

$1,375.12
ORDER CODE 229-157402

Screw Pitch Gauge 52pc Set

HITEC

- 303-16 : 52 Piece 60° Metric, 55° Whitworth

30% OFF

$12.74
ORDER CODE 231-450702

30 A AC/DC Current Probe

Tektronix

- TCP0030A is a high-performance, easy-to-use AC/DC current probe designed for use and direct connection to oscilloscopes.
- Current Probe Range: 1 mA to 30 A
- For Use With: Tektronix Oscilloscopes
- Meter Side Connector: TekVPI Interface
- Probe Side Connector: Current Clamp

$7,205.30
ORDER CODE 231-865002

All prices in NZD$ | GST exclusive

TBS1000 Series 4 Channel Digital Storage Oscilloscopes

Tektronix

- Up to 1 GS/s Sample Rate on All Channels
- 2.5k point Record Length on All Channels
- 16 Automated Measurements, and FFT Analysis for Simplified Waveform Analysis
- Built-in Waveform Limit Testing
- USB 2.0 Host Port on the Front Panel for Quick and Easy Data Storage
- USB 2.0 Device Port on Rear Panel for Easy Connection to a PC or Direct Printing to a PictBridge®-compatible Printer
- 5 Year Warranty
- The supplied Tektronix OpenChoice software lets you capture oscilloscope screen images, waveform data, and settings from a Microsoft Windows computer

Mftrs. List No.	Description	Order Code	Price Each 1+
TBS1064	Oscilloscope, DPO, 4CH, 60MHz	234-763302	$1,364.39
TBS1104	Oscilloscope, DPO, 4CH, 100MHz	234-763402	$2,017.06
TBS1154	Oscilloscope, DPO, 4CH, 150MHz	234-763602	$2,417.58

Compact Portable Scales

CB Series

ADAM

10% OFF

The CB series are compact portable scales which are ideally suited for a variety of uses and applications. It is small and easy to use and the bright green backlit LCD display shows clear results, with a simple to use keyboard and Grade 304 stainless steel re-moveable top pan for easy cleaning.

Mftrs. List No.	Load Weight Max	Resolution	Order Code	Price Each 1+
Balances				
CB 501	500g	0.1g	240-090902	$96.55
CB 1001	1kg	0.1g	240-091002	$116.37
CB 3000	3kg	1g	240-091202	$92.50

Bench Power Supply

TTi

10% OFF

The EX-R series has been developed from the best selling EX series with improved features that include 4 digit meters and switchable remote sense terminals on most models.

- Mixed-mode power design with linear final regulation
- Four digit meters for high resolution (not EX752M)
- Constant voltage or constant current with automatic crossover

$885.40
ORDER CODE 236-155202

Passive Voltage Probes

Tektronix

5% OFF

Key performance specs:

- 1 GHz, 500 MHz and 250 MHz probe bandwidth models
- <4 pF input capacitance
- 10X and 2X attenuation factor
- 300 V CAT II input voltage
- Designed for use with the MDO3000, MDO4000B, MSO/DPO4000B and MSO/DPO5000B series oscilloscopes

$534.03
ORDER CODE 238-138402

LD400 Series DC Electronic Loads

TTi

10% OFF

- Versatile solution for testing dc power sources
- Constant current, resistance, conductance, voltage and power modes
- Wide voltage and current range, 0 to 80V and 0 to 80A
- 400 watts continuous dissipation at 28°C (360W at 40)°C
- 600 watts short-term dissipation (up to 60 seconds)
- Low minimum operating voltage of <1V at 40A
- High resolution backlit graphic LCD with soft key control
- Analogue remote control of levels and TTL control of on/off and transient switching

Mftrs. List No.	Description	Power Rating	Order Code	Price Each 1+
LD400	DC Electronic Load	400W	244-404302	$2,087.00
LD400P	DC Electronic Load with Comprehensive Bus Remote Control	400W	244-404402	$2,466.47

High Voltage Power Supplies 2290 Series

KEITHLEY
A Tektronix Company

- Source voltages up to 5kV and 10kV
- 1μA current measurement resolution
- Protection module prevents damage to low voltage instrumentation
- 1 Year manufacturer warranty
- Supplied with: CD with user manual, software drivers, accessory information and power cord

Mftrs. List No.	Order Code	Price Each 1+
2290E-5	240-106602	$6,281.48
2290-10	240-106702	$7,930.29

IR Thermal Imager

U5855A

KEYSIGHT TECHNOLOGIES

5% OFF

Standard accessories Included:

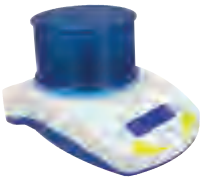
- Power adapter with power cord
- Rechargeable Li-Ion battery
- SD memory card
- Video RCA to RCA interface cable, 2 m
- USB Standard-A to Mini Type-B interface cable, 1 m
- Hand strap
- Rugged, hard carrying case
- Quick start guide
- Certiicate of calibration

$4,258.86
ORDER CODE 242-339502

Core Compact Portable Balances

ADAM

10% OFF



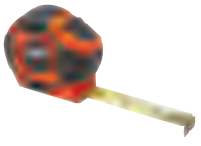
- Battery powered with 6 x AA batteries or AC adapter
- Auto power off to save battery life
- Low-battery indicator
- Large backlit display is clear and quick to read
- Removable draft shield on 120mm ø pans
- Stacking storage (CQT202, 251, 601 and 1501 models)

$404.77
ORDER CODE 240-092502

Lightweight Tape Measures

Lufkin

10% OFF



- Unique slide lock design allows easy control of the tape blade
- Wide base helps keep tape standing upright
- Clear boat blade protection for more durable markings
- Easy to read yellow clad blade (non replaceable)
- Fits easily into most tape holsters

Mftrs. List No.	Width / Length	Order Code	Price Each 1+
L610CME	13mm / 3m	242-747702	$12.54
L616CME	19mm / 5m	242-747802	$20.88

BitScope Micro PC Oscilloscope

BitScope Digital + Analog

20% OFF

- BitScope "Micro" Model 5 is the world's first Mixed Signal Scope to include a powerful Logic Protocol Analyzer, Waveform & Pattern Generator, Spectrum Analyzer, Clock Generator and Data Recorder in one tiny light weight water resistant USB powered package.
- Compatible with Raspberry Pi, Windows, Mac OS X and Linux on x86 and ARM.

$148.26
ORDER CODE 243-290602

EL-ENVIROPAD-TC Thermometer

With Inbuilt Datalogging and Graphing

LASCAR

20% OFF

- Temperature °C or °F
- Supplied with K type probe
- Graphing
- Two modes: 'Data Logging' or 'Spot Measurement'
- High & Low Alarms
- 2.8" colour touch screen
- Compatible with thermocouples type J, K, N & T
- Downloadable data via USB
- Internal rechargeable lithium polymer battery
- Date & time function
- Sounder
- Removable protective boot for increased durability

$250.01
ORDER CODE 232-484602

Test & Measurement

All prices in NZD$ GST exclusive

RoHS Compliant Non-compliant

3 Lead Test Sets

CLIFF

10% OFF

Kit Contents:
CIH29915 - Unfused Probes to 90° 4mm Plugs (Blue / Green / Brown), 1 kV CAT III Probe Adaptors, 3 x Push Fit Croc Clips
CIH29916 - Unfused Probes to 90° 4mm Plugs (Red / Black / Green), 1 kV CAT III Probe Adaptors, 3 x Push Fit Croc Clips

Mftrs. List No.	Probe Lead Length	Order Code	Price Each 1+
CIH29915	1.5 m	244-407302	$66.03
CIH29916	1.5 m	244-407402	$66.03

Combination Square

DURATOOL

10% OFF

- Engraved stainless steel ruler
- Extra strong metal body
- Integrated spirit level
- At least 10 different uses with scriber and level
- Length 300mm (12")

$12.32
ORDER CODE 244-446902

Digital Bevel Box With Vial

DURATOOL

10% OFF

- Small enough to be carried around in a pocket
- Magnetic base
- Small level vial on the top for initial level indication
- Automatic shut off after 5 minutes
- Supplied with batteries and leather effect case

A mini magnetic digital bevel box with vial that provides digital readings between 0 and 180° with a resolution of 0.1°

$44.36
ORDER CODE 244-447602

Digital Angle Rule

DURATOOL

40% OFF

- Stainless steel rule with metric/ imperial scale
- Measuring range from 0 to 360°
- Rule locking function
- Hold function
- Auto-shut off
- Supplied with batteries

$27.19
ORDER CODE 244-447902

Alligator Clip Test Lead

Pomona Electronics

10% OFF

- Current Rating: 5A
- Connector Type A: Alligator Clip
- Connector Type B: 4mm Stackable Banana Plug

Mftrs. List No.	Width / Length	Order Code	Price Each 1+
1166-24-0	13mm / 3m	240-604502	$11.13
1166-24-2	19mm / 5m	240-604602	$11.13
1166-48-0	19mm / 5m	240-604902	$12.03

Triple Channel DC Power Supply

KEITHLEY
A Tektronix Company

5% OFF

- 3 fully independent outputs
- Output a total of 195W of power with two 30V@3A outputs and one 5V@3A output
- Set voltage outputs with 0.06% basic accuracy and current outputs with 0.2% basic accuracy
- Store frequently used configurations in any of 30 setup memory locations
- Output DC power with less than 5mVp-p noise

$1,019.10
ORDER CODE 244-484102

Free next day delivery on eligible orders!*
Free Express Shipping of UK stocked products with 3-4 day delivery straight to your door, UPS tracking and no hidden fees or taxes
Terms and conditions apply
http://nz.element14.com/freight

Alligator Clip Test Lead

Pomona Electronics

10% OFF

- Current Rating: 5A
- Length: 1.219.
- Connector Type A: Alligator Clip
- Connector Type B: 4mm Stackable Banana Plug

$12.03
ORDER CODE 240-605002

Insulated BNC (M) / 4mm Plugs

Pomona Electronics

10% OFF

- Current Rating: 3A
- Length: 2.032m
- Connector Type A: BNC Plug
- Connector Type B: 4mm Banana Plug, Shrouded

$31.25
ORDER CODE 240-608802

BNC Micro Analyser & Scope

BitScope

BitScope "Micro" Model 5 is the world's first Mixed Signal Scope to include a powerful Logic Protocol Analyzer, Waveform & Pattern Generator, Spectrum Analyzer and Data Recorder in one tiny light weight water proof USB powered package.

10% OFF

$178.50
ORDER CODE 245-559302

Minigator Clip To Stacking Banana Plug

Pomona Electronics

10% OFF

- Current Rating: 5A
- Length: 914mm
- Colour: Black/Red
- Connector Type A: Alligator Clip
- Connector Type B: 4mm Stackable Banana Plug

Mftrs. List No.	Order Code	Price Each 1+
3220-36-0	240-615802	$10.72
3220-36-2	240-616102	$10.72

Minigator Clip To Stacking Banana Plug

Pomona Electronics

10% OFF

- Current Rating: 5A
- Length: 1.219mm
- Colour: Red
- Connector Type A: Hook Clip
- Connector Type B: 4mm Stackable Banana Plug

$10.04
ORDER CODE 240-618002

Gold Plated Test Clip

10% OFF

Pomona Electronics

- Current Rating: 5A
- Length: 1.219mm
- Voltage: held testing 30VAC/60VDC Max

$36.48
ORDER CODE 240-625202

USB Spectrum Analyser

Tektronix

5% OFF

- 40 MHz acquisition bandwidth enables real time analysis for transient discovery and capture
- 100 µsec minimum signal duration with 100% probability of intercept ensures that you see problems first time, every time
- Full-featured spectrum analysis capability with included SignalVu-PC software
- SignalVu-PC software offers real time signal processing with DPX™
- Supplied with: USB 3.0 Cable (1m), SignalVu-PC software, Documentation, USB key and Printed safety/installation manual (English)

$5,467.09
ORDER CODE 244-484002

All prices in NZD$ | GST exclusive

MDO3000 Series Oscilloscopes

Tektronix

5% OFF

- 2 & 4 analogue channel oscilloscope models
- Up to 5 GS/s sample rate
- 10 M record length on all channels
- Wave Inspector Controls provide easy navigation and automated search of waveform data
- 33 automated measurements and waveform histograms for simplified waveform analysis
- 9 in. (229 mm) WVGA widescreen color display
- Small footprint and lightweight - Only 5.8 in. (147 mm) deep and 9.2 lb. (4.2 kg)
- Built-In Spectrum Analyser with 9 kHz oscilloscope bandwidth as standard (9 kHz - 3 GHz optional)

The MDO3000 Series Mixed Domain Oscilloscopes offer 6 Instruments incorporated into 1 oscilloscope for all the needs of today's mixed signal designs, it includes a spectrum analyser, arbitrary function generator, logic analyser, protocol analyser and DVM into your debug tool of choice .

Mftrs. List No.	Description	Order Code	Price Each 1+
Oscilloscopes			
MDO3104	OSCILLOSCOPE, 4CH, 1GHZ, 5GSPS	**238-133602**	$24,015.79
MDO3102	OSCILLOSCOPE, 2CH, 1GHZ, 5GSPS	**238-133702**	$18,207.76
MDO3054	OSCILLOSCOPE, 4CH, 500MHZ, 2.5GSPS	**238-133802**	$19,306.76
MDO3052	OSCILLOSCOPE, 2CH, 500MHZ, 2.5GSPS	**238-133902**	$15,130.80
MDO3034	OSCILLOSCOPE, 4CH, 350MHZ, 2.5GSPS	**238-134002**	$14,362.97
MDO3032	OSCILLOSCOPE, 2CH, 350MHZ, 2.5GSPS	**238-134102**	$11,929.07
MDO3024	OSCILLOSCOPE, 4CH, 200MHZ, 2.5GSPS	**238-134202**	$7,690.72
MDO3022	OSCILLOSCOPE, 2CH, 200MHZ, 2.5GSPS	**238-134302**	$6,921.76
MDO3014	OSCILLOSCOPE, 4CH, 100MHZ, 2.5GSPS	**238-134402**	$6,905.89
MDO3012	OSCILLOSCOPE, 2CH, 100MHZ, 2.5GSPS	**238-134602**	$5,792.14

TBS1000B Series Digital Storage Oscilloscopes

Tektronix

	TBS1052B	TBS1072B	TBS1102B	TBS1152B	TBS1202B
Vertical System - Analogue Channels					
Input Channels	2				
Analogue Bandwidth	50MHz	70MHz	100MHz	150MHz	200MHz
Horizontal System - Analogue Channels					
Max. Sample Rate	1GS/s		2GS/s		
General					
Additional Info	Only bench oscilloscope to feature TrendPlot™ for capturing and monitoring small changes in measurements over long time periods				
	Most powerful limit-test feature in its class: users can define pass/fail masks for complex signals based on specifying up to two independent waveform envelopes				

Mftrs. List No.	Description	Order Code	Price Each
TBS1000B Series			
TBS1052B	Oscilloscope, Digital Storage	**238-321602**	$651.50
TBS1072B	Oscilloscope, Digital Storage	**238-321702**	$1,177.08
TBS1102B	Oscilloscope, Digital Storage	**238-321802**	$1,570.93
TBS1152B	Oscilloscope, Digital Storage	**238-321902**	$1,649.10
TBS1202B	Oscilloscope, Digital Storage	**238-322002**	$1,976.56

2260B Series DC Power Supplies

Programmable

KEITHLEY A Tektronix Company

5% OFF

- Combine power supplies in serial and parallel combinations to expand voltage and current outputs up to 160V and 216A
- Programmable voltage or current rise and fall times from 0.1V/s to 160V/s or 0.01A/s to 144A/s prevent damage from inrush current to low impedance loads
- Simulate a battery's output characteristics with a programmable output resistance

Mftrs. List No.	Output Current Max	Output Voltage Max	Power Rating	Order Code	Price Each 1+
2260B-80-13	13A	80V	360W	**242-309802**	$2,232.90
2260B-30-36	36A	30V	360W	**242-309602**	$2,080.71
2260B-80-27	27A	80V	720W	**242-309902**	$2,957.17
2260B-30-72	72A	30V	720W	**242-309702**	$2,957.17

2200 Multi-Channel Programmable DC Power Supplies

KEITHLEY A Tektronix Company

- All channels are independently controlled and have isolated outputs for maximum flexibility
- All channels have remote sensing to ensure that programmed voltage is accurately applied to the load
- 0.03% basic voltage output accuracy and 0.1% current accuracy ensure quality test data
- Low noise, linear regulation with <3mVpp ripple and noise
- Voltage and current outputs for all channels are displayed simultaneously for easy observation of each output state
- Keypad entry allows fast, precise entry of output values
- Standard USB interface for automated testing

Mftrs. List No.	Output 1	Output 2	Output 3	Output Power	Order Code
2220G-30-1	0 to 30V, 0 to 1.5A	0 to 30V, 0 to 1.5A	–	90W	237-7266
2230G-30-1	0 to 30V, 0 to 1.5A	0 to 30V, 0 to 1.5A	0 to 6V, 0 to 5A	120W	237-7267

Mftrs. List No.		Order Code	Price Each
With GPIB Interface			
2220G-30-1	Dual Channel	**237-726602**	$1,678.84
2230G-30-1	Triple Channel	**237-726702**	$1,636.37

TBS1000B - EDU Series Digital Storage Oscilloscopes

TBS1000B-EDU Series

Tektronix

5% OFF

	TBS1052B-EDU	TBS1072B-EDU	TBS1102B-EDU	TBS1152B-EDU	TBS1202B-EDU
Vertical System - Analogue Channels					
Input Channels	2				
Analogue Bandwidth	50MHz	70MHz	100MHz	150MHz	200MHz
Horizontal System - Analogue Channels					
Max. Sample Rate	1GS/s		2GS/s		
General					
Software	First oscilloscope with Integrated Courseware and web-based Content Ecosystem to help professors and students get more out of their lab exercises				
Additional Info	First oscilloscope with Auto-set Enable" functionality				

Mftrs. List No.	Order Code	Price Each
TBS1000B-EDU Series		
TBS1052B-EDU	**238-322102**	$687.56
TBS1072B-EDU	**238-322202**	$1,058.43
TBS1102B-EDU	**238-322302**	$1,400.95
TBS1152B-EDU	**238-322402**	$1,879.10
TBS1202B-EDU	**238-322502**	$2,322.75

AFG1022 Arbitrary Function Generator

KEITHLEY A Tektronix Company

5% OFF

- Bandwidth: 25MHz
- Plug Type: Euro, UK
- Signal Generator Modulation: AM, FM, FSK, PM
- Signal Generator Type: Arbitrary, Function
- Supply Voltage Max: 240V

$990.17
ORDER CODE **246-911302**

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Test & Measurement

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RoHS Compliant Non-compliant

Free next day delivery on eligible orders*

DURATOOL

BROAD RANGE · GREAT VALUE · 24/5 SUPPORT · QUALITY ASSURED

Exclusive to element14.

6 Piece Pick Set

60% OFF

- Double ended stainless steel
- Supplied blister packed

This pick set can be used for a varity of applications, spreading and smoothing soft materials such as clay, putty, epoxy, wood filler etc.

$3.35
ORDER CODE 244-454002

29 Piece 1/4" Drive Socket Set

35% OFF

Manufactured from chrome vanadium steel and supplied in a rigid, blow moulded case. Contents:

- Flank drive sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12 and 13mm
- Slotted screwdriver sockets: 4, 4.5, and 7mm
- Hex screwdriver sockets: 3, 4, 5, 6 and 8mm
- Phillips screwdriver sockets: No. 1, No. 2
- Pozidriv screwdriver sockets: PZ 1, PZ 2
- Quick release ratchet handle
- Spinner handle; Universal joint; Extension bar; Sliding T-bar

$65.09
ORDER CODE 244-444402

505 Piece Rivet Set

50% OFF

- 7 Popular sized blind rivets
- Rust proof aluminium heads with steel shanks
- Fits most hand and air riveters, foreign and domestic
- Supplied in a sectioned plastic case

$9.54
ORDER CODE 244-436102

Folding Hand Truck

40% OFF

Sturdy hand truck which folds flat for easy storage. Automatically folds completely flat as the handle is pushed down, can be erected with one hand.

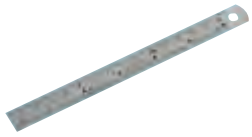
Compact:

- Overall: (LxWxH) 400 x 400 x 900mm
- Folded: (LxWxH) 385 x 55 x 350mm
- Load plate:(WxD) 390x 275mm
- Max. load capacity:68kg
- Lightweight, tubular aluminium construction with soft-feel rubber handles
- Single movement opening and closing
- Slip resistant base
- Rubber wheels

$36.65
ORDER CODE 244-448002

Stainless Steel Rulers

80% OFF

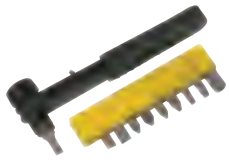


- Satin finish stainless steel rulers
- Conversion chart on reverse

Length	Order Code	Price Each
150mm (6")	144-755402	$1.10
300mm (12")	144-755602	$1.14

11 Piece Ratchet Screwdriver Set

55% OFF



- Phillips : PH1, PH2
- Pozi : PZ1, PZ2
- Slotted : 5, 6mm
- Torx : T15, T20
- 1/4" Adaptor
- Supplied in a handy plastic clip/holder

$3.92
ORDER CODE 210-329602

3 Piece Plier Set

40% OFF

Contents:

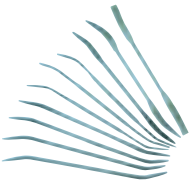
- 160mm Diagonal pliers
- 180mm Combination pliers
- 200mm Long nose pliers

- 2-component handle with slip guard
- Shock proof handle
- Drop forged, heat treated fully polished steel

$56.87
ORDER CODE 149-632802

Budget Riffler File Set 10 pc

55% OFF



- Set of ten useful shape double ended rifflers
- Useful for reaching places not accessible with ordinary needle files

$13.64
ORDER CODE 182-642902

Pin Vice

55% OFF

Pin Vice - Double Ended

- Handy holder for drills, taps, pins etc
- Anti-roll 6 sided body
- 2 reversible collets: 0-1.2mm, & 1.3-2.4mm + 0.802.0mm, & 1.8-2.9mm

$7.70
ORDER CODE 182-643502

O Ring Kits

419 Piece

65% OFF

- Contains almost every O-Ring size you are ever likely to need
- Ideal for the garage or workshop and for general plumbing use
- Includes 32 popular metric sizes
- Supplied in plastic storage case

$9.75
ORDER CODE 213-561502▲

Mini Cleaning Brush

70% OFF

A cleaning brush measuring 115mm in length and which has a rigid impact resistant plastic handle, stainless steel fibre receptacle and 25mm long, synthetic bristles.

$1.04
ORDER CODE 244-454402

Digital USB Microscopes

40% OFF

- Camera Type: Digital
- For use with: Education, Experiments, Industrial Tool Inspection, Material Analysis & Medical, Micro-electronics

Mftrs. List No.	Magnification	Order Code	Price Each 1+
BW1008-500X	5x - 500x	231-941802●	$132.21
BW-400X	25x - 400x	231-941902●	$95.49
BW788	25x - 200x	231-942002●	$63.02

DURATOOL

BROAD RANGE · GREAT VALUE · 24/5 SUPPORT · QUALITY ASSURED

Exclusive to element14.

ESD Safe Wire Stripper/Cutter

30% OFF

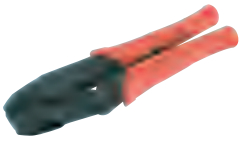
- Designed to cut and strip all wires from 26-10AWG
- Can be used for both solid and stranded wire
- Cutting capacity: 26 - 10AWG (0.405-2.59mm) stranded wire
- 147mm Overall length

$24.75

ORDER CODE 243-195002

Ratchet Crimping Tool

35% OFF



- AWG: 22-18 / 16-14 / 10-2
- DIN : 0.5-1.0 / 1.5-2.5 / 4-6mm^2
- Non-insulated Open Plug Type Connectors
- Insulated terminal Plug Connectors
- Adjustable crimping pressure

$18.56

ORDER CODE 244-445202

7 Piece Screwdriver Set

55% OFF

- Break resistant, cellulose handles
- Chrome vanadium steel blades
- Tempered and plated for durability
- 3 x 100mm, 6 x 38mm, 6 x 100mm, 8 x 150mm Slotted PH2 x 38mm stubby
- PH2 x 100mm and PH3 x 150mm Phillips and PH2 x 38mm stubby

$5.93

ORDER CODE 244-449902

Swivel Base Bench Vices

40% OFF

A tough engineering style bench vice made from solid cast iron construction.

- Large square anvil with swivel base
- Machined jaws

Technical Data	D02334	D02335
Size	4"	5"
Jaw Width	100mm	150mm
Jaw Depth	55mm	75mm
Max Jaw Capacity	100mm	160mm

Mftrs. List No.	Size	Order Code	Price Each 1+
D02334	4"	244-453802	$31.47
D02335	5"	244-453902	$53.13

Precision Wire Strippers

65% OFF

- Precision wire strippers - can also be used as pliers and shears
- Built-in closed stopper and constant force recovery spring

Description	Order Code	Price Each
8PK 20-30AWG	312-545202	$8.03
8PK 10-20MM	312-546402	$8.28

Adjustable Wrench

Soft Grip Handle

60% OFF

- Phosphated with a soft grip handle
- Metric scale to assist pre-setting the jaw opening
- Precision machined, positive action thumbwheel and jaw

Length	Max. Jaw Opening	Order Code	Price Each 1+
100mm	13	312-785002	$8.90
150mm	20	312-784902	$9.27
250mm	30	312-782502	$13.46

Retractable Blade Knife

75% OFF

- Multi-position, retractable knife, die-cast body

$3.46

ORDER CODE 312-800302

Trimming Tool Set 10pc

80% OFF

- 10 pieces Trimming Tool Set
- Fits all popular Trimmer sizes
- Anti-static Trimmers

$2.45

ORDER CODE 312-506302

Precision Screwdriver Sets

50% OFF

- Nylon engineered plastic handles with revolving tops
- Blades manufactured from CV-Molybdan steel blades, hardened and tempered
- Set supplied in a plastic case

Type/Size	Kit Contents	Order Code	Price Each
6 piece Slot/Phillips	1.5, 2, 2.5, 3mm, PH00, PH0	312-693602	$8.07
7 piece Slot/Phillips/Torx	2, 2.5, 3mm, PH00, PH0, T15, T20	312-694802	$11.65

Duratool G Clamps

75% OFF

- All metal construction
- G clamp with fine thread
- Matt black finish

Size	Order Code	Price Each 1+
50.8mm	144-739902	$1.84
101.6mm	144-740002	$5.34
152.4mm	144-740102	$9.38
203.2mm	144-740202	$12.87

6 Piece Precision Screwdriver Set

65% OFF

- Superslim screwdrivers
- 2 Component anti-slip handle
- Rotating caps allow ease of use and greater control at low torque values
- Overall length 131mm

$4.54

ORDER CODE 210-328802

2mm Glass Fibre Pencil

- Propelling pencil action exposes more or less of the glass fibres.
- The shorter fibres showing, the more abrasive the action.

$17.56

ORDER CODE 182-641802

Extraction Tool

molex

- Series: T9999
- Handtool

20% OFF

$38.09

ORDER CODE 143-60202

Brass Cleaning Brush and Refill

DURATOOL

L=118, Dia = 11.0

55% OFF

- Propelling pencil cleaning brush, supplied with a glass fibre abrasive core
- Excellent for cleaning PCB edge connectors
- Gloves are recommended as small pieces of fibre break off in use

	Order Code	Price Each 1+
BRUSH BRASS	202-44702	$11.63
REFILL BRASS PACK OF 10	222-28802	$12.79

Crimp Tools

HARTING

Pushing Performance

65% OFF

	Mftrs. List No.	Order Code	Price Each +
Contact Removal Tools			
B+C	0999 000 0101	316-47702	$28.64
D+F	0999 000 0087	316-48902▲	$7.51

140mm Long Nose Pliers

Xcelite

- Handle type: Red Cushion Grip
- Jaw Length: 47mm
- Jaw Width: 1.75mm
- Overall Length: 140mm

45% OFF

$39.72

ORDER CODE 440-63202

Hand Crimp Tool

'Ultra Fast'

TE connectivity

- Mftr. Part no.58078-3
- Designed to crimp AMP Ultra-Fast and Ultra-Fast Plus FASTON terminals onto wire sizes 26-14 AWG

$673.03

ORDER CODE 488-49502

Hexagon Key Set

Long Reach

CK

- 10 piece metric sets
- Supplied in plastic storage rail
- Ball end drive on long arm
- Ideal for restricted access

55% OFF

$23.64

ORDER CODE 628-73602

CERTI-LOK Series Hand Crimp Tool

TE connectivity

- Use with TE MPN: 169414, 169404, 539614-1, 2-66105-0, 169409, 9-1579022-2, 9-1579022-3.
- Designed to accept crimping die assemblies which crimp PIDG, PLASTI-GRIP terminals, PIDG "window" splices, SOLISTRAND terminals and splices, and Multimate Type III(+).

$294.70

ORDER CODE 587-35702

Hex Driver 334 Series

Wiha

80% OFF

Blade material: Chrome vanadium steel
Handle material: ABS plastic (impact-proof and cadmium-free)

Hex driver with T-Handle. Blades through hardened and nickel-plated. For high torque transfer with low effort.

Mftrs. List No.	Order Code	Price Each 1+
334-2.0	832-10802	$4.35
334-2.5	832-12102	$4.45

ESD Diagonal Cutter

KNIPEX

- precision pliers for ultra fine cutting work
- precision box joint
- low-friction double spring for gentle and even opening

30% OFF

$53.12

ORDER CODE 876-12402

Electronics Side Cutting Plier ESD

KNIPEX

- ESD version: electrically conductive - dissipative
- precision-ground cutting without facets to surface cut
- precision-shaped tips also cut wires up to Ø 0.2 mm

40% OFF

$35.46

ORDER CODE 876-44602

Hand Extraction Tool

molex

- For use with Standard 0.062" Pin & Socket Crimp Terminals
- Mftr Part No. 11-03-0002

30% OFF

$30.47

ORDER CODE 107-990802

32 Piece Screwdriver Bit Set

CK

- Assorted set of 32 x 30mm bits on 4 handy clips
- Manufactured from high grade alloy steel with a rust resistant finish
- High quality magnetic bit holder included

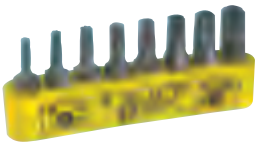
35% OFF

$23.72

ORDER CODE 109-880802

8 Piece Tamperproof Torx Bit Set

CK



- High grade alloy steel bits with rust resistant finish
- 1/4" hex drive
- Held securely in a handy clip
- Length: 30mm
- Sizes: T8, T10, T15, T20, T25, T27, T30, T40

55% OFF

$8.46

ORDER CODE 109-881102

All prices in NZD$ | GST exclusive

Pozi Pan M3 Steel Screws

DURATOOL

65% OFF

- Thread size: M3
- Screw Head Style: Posidriv Pan
- Material: Steel
- Bright Zinc plated
- DIN 7985

Mftrs. List No.	Order Code	Length (mm)	Price Each 1+
M330 PRSTMCZ100-	141-999002	30mm	$2.65
M46 PRSTMCZ100-	141-999102	6mm	$1.68
M410 PRSTMCZ100-	141-999302	10mm	$2.81

Carbon Fibre Digital Caliper

DURATOOL

60% OFF

- Manufactured from extra strong carbon fibre composites
- LCD, internal/external measurement
- True mm/inch conversion
- Lightweight and durable

Measuring Capacity 150mm0- (6")
Graduation 0.1mm

$24.22
ORDER CODE 134-127802

22 Piece Screwdriver Set

DURATOOL

An exceptional value for money 22pc Screwdriver set containing the following:

Slotted:
9 x 250mm, 6 x 38mm stubby, 8 x 200mm, 3 x 75mm, 4 x 100mm, 4 x 100mm with screw holder, 5 x 100mm, 5 x 150mm, 6 x 150mm, 6x 100mm

Phillips:
PH0 x 75mm, PH1 x 75mm, PH2 x 38mm stubby, PH2 x 100mm, PH3 x 150mm

Torx:
T10, T15, T20, T25, T30
AWL & tack puller

$10.51
ORDER CODE 136-704202

Punchdown Tool

CK

55% OFF

- For seating Telecom and data cables into terminals
- Automatically trims excess wires during punchdown action
- Suitable for a wide range of terminal blocks, including KRONE and similar
- Handle includes wire extractor hook and spudger
- Size 180mm

$39.55
ORDER CODE 128-322502

Precision Tweezer Sets

ESD-conductive

DURATOOL

35% OFF

- The Set contains the most used precision tweezers
- Made of Anti-Magnetic Anti-Acid stainless Steel with ESD polyester epoxy coating (10^5 - 10^6 ohm)
- Comfortable handling and insertion of SMD components

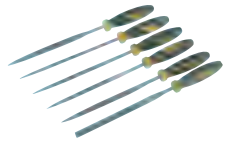
161-7215
(includes: 3.SA; 7A.SA; 12.SA.SMD; 13.SA.SMD)

Mftrs.List No.	Order Code	Price Each
D00838	161-721502	$79.61
D00349	130-640202	$66.93

6 Piece Needle File Set

D00148

DURATOOL



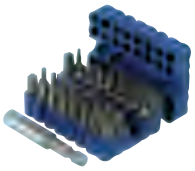
- 6 piece needle file kit with cushion grip
- Size: 3 x 140mm
- Contents: flat taper, half round, three square, square, round and flat parallel
- Supplied in a plastic carry case

$5.37
ORDER CODE 144-743102

33 Piece Security Bit Set

DURATOOL

65% OFF



A 33 piece security bit set ideal for use with cordless screwdrivers and drills.

- Compact pocket sized bit box
- Supplied with 1 x 60mm bit holder
- Torq bits: T8,T10,T15,T20,T25,T27,T30,T35,T40
- Hex bits: $^5/_{64}$", $^3/_{32}$", $^7/_{64}$", $^1/_8$", $^9/_{64}$", $^5/_{32}$"
- Hex bits: 2,2.5,3,4,5,6mm
- Tri-Ling bits: #1,#2,#3,#4
- Spanner bits: .#4,#6,#8,#10
- Cross-head bits: #6,#8,#10
- Magnetic bit holder

$4.14
ORDER CODE 134-114002

5" (125mm) Micro Cutter

DURATOOL

45% OFF

Jaw Length 20mm
Cutting Angle 23°
Cutting Capacity 1.2mm

- An exceptionally clean smooth cut
- Lightweight and easy to handle
- Suitable for copper wire, not for use with steel wire
- Length: 5" (125mm)

$6.33
ORDER CODE 115-600102

Precision Wire Strippers

CK

55% OFF

Order Code	Adjusts to:						
141-6123	mm	0.12	0.16	0.20	0.25	0.30	0.40
136-4514	mm	0.25	0.30	0.40	0.50	0.60	0.80
146-1967	mm	0.30	0.40	0.50	0.60	0.80	1.00

Mftrs. List No.	Order Code	Price Each
330009	141-612302	$50.24
330013	136-451402	$44.90
330011	146-196702	$44.29

16 Pieces slimVario Screwdriver Starter Set

wiha

25% OFF

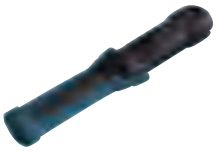
Set Contents:
- 16pcs of 6mm slimBits
- 1 Voltage Tester -110-250V
- 1 ClickFix Bit Holder
- Holding Bag

$101.90
ORDER CODE 242-215802

Extraction Tool

TE connectivity

50% OFF



- For use with Junior Power Timer and 2.8mm Housing Connectors

$81.69
ORDER CODE 132-889502

7" Automatic Wire Stripper

DURATOOL

75% OFF

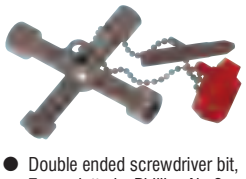
- Parrot type
- For all types of wire from 0.2-6mm
- Strips lengths up to 25mm
- Self adjusting mechanism
- Also has a cable cutter

$4.97
ORDER CODE 144-742102

Switch Key

CK

55% OFF



Contents:
- 6mm, 8mm, square, 9mm triangular and 5mm double pin type keys
- Tooling adaptor for ¼" hex bits
- Double ended screwdriver bit, 7mm slotted x Phillips No.2

$20.79
ORDER CODE 128-327202

Tools

All prices in NZD$ GST exclusive

RoHS Compliant Non-compliant

40 Piece Tap and Die Set

DURATOOL

- Heat treated alloy steel
- National coarse, national fine and pipe combination thread

The kit contains:

- One tap and one die of the following sizes: 3 x 0.5, 3 x 0.6, 4 x 0.7, 4 x 0.75, 5 x 0.8, 5 x 0.9, 6 x 1.0, 6 x 0.75, 7 x 1.0, 7 x 0.75, 8 x 1.25, 8 x 1.0, 10 x 1.25, 10 x 1.5, 12 x 1.75, 12 x 1.5 and 1/8NPT
- 1 x Long handle adjustable tap wrench
- 1 x "T" handle tap wrench
- 1 x Die handle
- 1 x Flat screwdriver
- 1 x Screwpitch gauge
- Supplied in blow moulded case

$42.90
ORDER CODE 144-754102

AMP PRO-CRIMPER II Hand Tool

TE

35% OFF

The tool features a tool frame with a stationary jaw and handle, a moving jaw, a moving handle and an adjustable ratchet that ensures full contact crimping.

$308.03
ORDER CODE 152-351002

Aviation Tin Snips

DURATOOL

- Manufactured from chrome vanadium steel
- Specially strengthened jaws are serrated for extra grip and pull through
- Non-slip, spring loaded handles

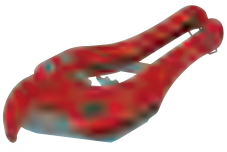
30% OFF

- Manual locking catch
- Length: 250mm (10")

$6.97
ORDER CODE 144-742402

Vinyl Pipe Cutter

DURATOOL



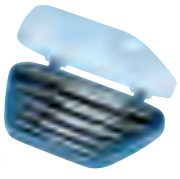
- These strong pipe cutters have a razor sharp, stainless steel blade which gives effortless straight cuts.
- Hardened steel blade will cut pipe and conduit up to 42mm

35% OFF

$6.49
ORDER CODE 144-742902

5 Piece Screw Extractor Set

DURATOOL



- Removes broken screws or bolts without damaging hole threads
- Manufactured from chrome vanadium steel
- Black oxide finished for durability
- Comes complete with plastic storage case
- Contains sizes: 3-6mm ⅛ - ¼", 6-8mm ¼" - 5/16", 8-11mm 5/16" - 7/16", 11-14mm 7/16" - 9/16" and 14-19mm 9/16" - ¾"

$2.20
ORDER CODE 144-744202

6 Piece Mini Brush Set

DURATOOL

6 piece 175mm (7") mini wire brush set with plastic handles.
The kit includes:

- Brass brush for cleaning
- Steel brush for removal of rust
- Nylon brush for detailing dash and upholstery

30% OFF

$1.97
ORDER CODE 144-754802

6" Junior Hacksaw

DURATOOL

- Drop forged frame
- High-quality, extra fine saw blade for thick metal and wood
- Fine saw blade for thick metal and hardwood

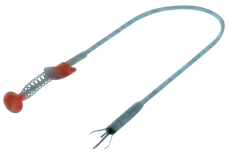
30% OFF

- Medium saw blade for wood
- Hack saw blade for metal

$2.48
ORDER CODE 144-756102

600mm Claw Pick Up Tool

DURATOOL



- A 600mm long claw tool for retrieving small objects

$0.91
ORDER CODE 144-756402

14-in-1 Stubby Ratchet Screwdriver

DURATOOL

25% OFF

- Stubby ratchet screwdriver
- 3 settings - forward, reverse and fixed
- Supplied with 7 x 32mm long double ended bits
- Phillips, slotted, torx, hex and square combination bits

- Overall length: 120mm

Bit Combinations:
PH1 - SL3, PH2 - SL5, PH3 - SL6, T15 - T20, T25 - T30, H4 - H5, S1 - S2 (square)

$9.20
ORDER CODE 144-758702

13 Piece Long Arm Ball Ended Hex Key Sets

DURATOOL

- A range of high quality chrome vanadium steel, imperial/ metric hexagonal keys
- Extra long arm for deep insertions of hex nuts or screws
- Chamfered ball point end on one side allows user to work at angles up to 25°

45% OFF

Imperial: 0.05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, and 3/8"
Metric: 1.27mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 8mm, 10mm

Mftrs. List No.		Order Code	Price Each 1+
D00596	Metric	151-781402	$7.60
D00597	Imperial	151-781502	$15.05

Hex Bit Set

CK

- High grade alloy steel bits with rust resistant finish
- ¼ " hex drive
- Held securely in a handy clip
- Length: 25 mm

75% OFF

Contents:
Hex: 1,5, 2, 2.5, 3, 4, 5, 5.5, 6mm

$6.90
ORDER CODE 151-893602

12 in 1 Multitool

ProsKit

12 in 1 multitool featuring LED flash light (power on/off), knife, flat file, flat screwdriver, AWL knife, scissors, saw, bottle opener, phillips screwdriver and can opener. Rugged stainless steel construction.

$25.73
ORDER CODE 240-074302

Glue Gun Kit 230V

CRESCENT

Features and Inclusions

- Glue Gun Kit 60W/230V
- Includes 6 glue sticks
- Supplied in a handy carry case
- Fitted with stand & drip tray
- Power ON indicator light

25% OFF

$27.52
ORDER CODE 245-454502

Free next day delivery on eligible orders!*
Free Express Shipping of UK stocked products with 3-4 day delivery straight to your door, UPS tracking and no hidden fees or taxes
Terms and conditions apply
http://nz.element14.com/freight

All prices in NZD$ | GST exclusive

PCB Round Spacers

DURATOOL

Suitable for outdoor use respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C

90% OFF

- Material: nylon 66 UL 94 v2 or v0
- Colour: natural/white
- RoHS compliance

Mftrs. List No.	Overall Length	Order Code	Price Each
D01481	3	173-341102	$0.02
D01483	8	173-341402	$0.02
D01484	10	173-341502	$0.02
D01485	12	173-341602	$0.02

Twin Wrench Driver Set

ProsKit

Contents:
Double-ended driver
Bits:

Slotted	4, 5 ,6 mm
Phillips	No.1, 2
Pozidriv	No.1, 2
Torx	T10, T15, T20

60% OFF

$6.16
ORDER CODE 168-582402

Digimatic Caliper

Mitutoyo

World's first electronic caliper featuring a built-in absolute measuring scale, a large LCD display, imperial/metric conversion, error free with no overspeed error and lock nut.

$226.26
ORDER CODE 152-121602

120mm ESD Black Coating Tweezer

13.SA SMD

DURATOOL

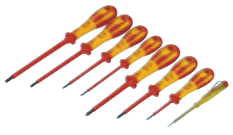
45% OFF

- Manufactured from Anti-Magnetic Anti-Acid stainless Steel with ESD polyester epoxy coating (10^5-10^6 Ohm)
- Specifically intended for a smooth handling and positioning of most SMD components
- Accurate symmetry and balance
- Fine polished, mat anti-glare finish

$19.50
ORDER CODE 161-633402

8 Piece VDE Insulated Screwdriver Set - 1000V

CK



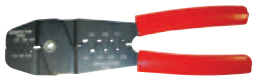
Content 166-429001
2.5x75 mm
4.0x100 mm
5.5x125 mm
6.5x150 mm
PH 0x60 mm
PH 1x80 mm
PH 2x100 mm
Mains tester 3.0x65 mm

45% OFF

$69.22
ORDER CODE 166-429002

Crimping Tool

molex



- Designed to crimp conductor and insulator separately
- Works on contacts with a wire range between 14-24AWG
- Terminal material thickness between 0.15 and 0.4mm
- Insulation thickness between 1.4 and 4.8mm

$91.55
ORDER CODE 170-392802

5pc Micro Cutter and Pliers Set

DURATOOL

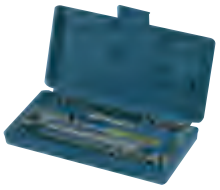
Material: Stainless Steel
Set Contents:
- 1 x 90mm Cutter
- 1 x 100mm Flat Nose Plier
- 1 x 100mm Bent Nose Plier
- 1 x 100mm Round Nose Plier
- 1 x 100mm Long Nose Plier

45% OFF

$25.21
ORDER CODE 312-552002

40 Pieces Socket Set

DURATOOL



The kit contains:
- 1 x ⅜" reversible ratchet handle
- 14 x ¼"drive sockets metric size: 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 9, 10, 11, 12 and 13mm
- 14 x ¼" drive sockets imperial size: 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2, 17/32 and 9/16"

45% OFF

- 3 x ¼" drive (8 point) sockets imperial size: 1/4, 5/16 and 3/8"
- 1 x ⅜" extension bar
- 1 x ¼" to ⅜" adaptor
- 1 x ⅜ x 16mm spark plug socket
- 1 x 6" spinner handle
- 1 x spin disc
- 1 x ⅜" metric drive socket: 15mm
- 1 x ⅜" imperial drive socket: ⅝"
- Supplied in blow mould case

$9.29
ORDER CODE 171-214402

PCB Round Spacer Support, Nylon 6.6, Natural

DURATOOL

- Suitable for outdoor use with respect to exposure to ultraviolet light and water.
- Material: Nylon 6.6
- Colour: Natural/white
- RoHS compliance
- Inner Diameter: 3.2mm
- Outer Diameter: 5mm

75% OFF

$0.06
ORDER CODE 173-340502

Triton XLS Screwdrivers

CK

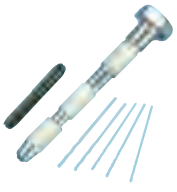
- Anti roll flats to prevent the screwdriver rolling off uneven surfaces
- Magnetic tip holds the screw securely to the tip to ease positioning and setting

70% OFF

Tip Size (mm)	Blade length (mm)	Mftrs. Part No.	Order Code	Price Each +
Pozidriv				
PZ1	75	T4723-1	181-336902	$4.44
PZ2	100	T4723-2	181-337102	$5.63

Pin Vice

DURATOOL



Pin Vice Set - Double Ended Swivel Top
- Handy holder for drills, taps, pins etc
- 2 reversible collets 0-1.2mm, & 1.3-2.4mm
- Swivel head for comfort and efficiency of use
- Delivered with 5 drills

30% OFF

$15.00
ORDER CODE 182-643602

Deluxe LED Headband Magnifier Kit

SHESTO

- Detachable triple LED spotlight with magnetic base for separate use
- 4 precision ground interchangeable lenses

55% OFF

- Covering all focal lengths from semi close-up to very close-up
- Plastic protection case for lenses & cleaning cloth
- Plastic infill for headband when LED used separately

$74.33
ORDER CODE 182-644502

155mm Electricians Shears

KNIPEX

- Precisely ground blade with fine serration for a clean, non-slip cut
- Cutting edge with integrated cable cutter
- Universal shears for electricians

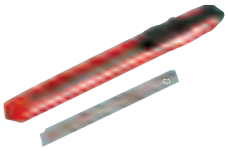
45% OFF

- Handles with multi-component grips, fibreglass-reinforced
- Cutting edges made from stainless steel with 56 HRC hardness
- Complete with plastic case

$24.79
ORDER CODE 240-959102

Small Craft Knife

DURATOOL

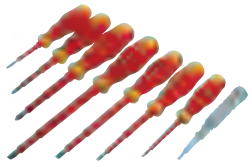


- Handy craft knife
- Razor sharp blade with snap-off sections
- Fully retractable into the plastic handle and can be locked in position
- Supplied with spare blade

$0.49
ORDER CODE 185-061402

7 Piece Insulated Screwdriver Set

DURATOOL



7pc VDE screwdriver set and all purpose voltage tester with soft grip handles for added comfort and greater turning power.

30% OFF

$22.37
ORDER CODE 210-321602

19 Piece Drill Bit Set

Titanium Plated

DURATOOL

Titanium nitride coated drill bit set.

- Advanced split point for drilling wood and plastic
- Sizes include: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5 and 10mm

30% OFF

$20.03
ORDER CODE 210-321802

3 Piece Long Screwdriver Set

DURATOOL

- 300mm In length
- 2 Component cushion handle provide soft comfortable grip enabling high torque
- Blade made from chrome vanadium steel
- Hex shaft
- Hanging hole
- Magnetic blade tip

35% OFF

$13.12
ORDER CODE 210-326302

8 Piece Ball Ended Hex Key Set

DURATOOL

- Cushion handle
- High quality chrome vanadium steel blades
- Chamfered ball point end allows user to work at angles up to 25°

Metric: 2, 2.5, 3, 4, 5, 6, 7, 8mm

50% OFF

$6.48
ORDER CODE 210-330302

Nylon Snap Rivets

DURATOOL

45% OFF

Mftrs. List No.	External Diameter	External Depth	Order Code	Price Per Pack +
Black				
DTRSR3045B	6.4mm	6.1mm	**234-224202**	$7.65
DTRSR3055B	6.4mm	6.1mm	**234-224402**	$6.25
DTRSR6080W	12mm	10mm	**234-228302**	$9.93

12 Pieces Combination Spanner Set

CK

- Drop forged chrome vanadium steel, hardened & tempered for strength & durability
- Heavy duty chrome plated for corrosion resistance
- 12° offset bi-hex ring for access
- Manufactured to DIN 3113
- Supplied in a wall mounting rack for convenient storage

30% OFF

$97.61
ORDER CODE 241-954802

Revolving Punch Pliers

KNIPEX

- For punching holes into leather, textiles and plastic material
- With six interchangeable punches: 2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 5.0 mm dia.

30% OFF

- With opening spring and locking device
- Powder-coated for reliable protection against rust
- Pliers body and punches: special tool steel, oil-hardened

$24.85
ORDER CODE 237-308902

9 in 1 Multitool

ProsKit

9 in 1 multitool featuring serrated knife, can opener, phillips screwdriver, knife, saw, bottle opener, flat screwdriver and flat file.

40% OFF

$11.03
ORDER CODE 240-074202

Coaxial Cable Stripping Tool

KNIPEX

Universal stripping toll for Coax cables RG 59, RG 6. RG 7 and RG11.

- Adjustable stripping blade for round cable
- Two stripping blades for cutting and stripping telephone ribbon cable (4P/6P/8P) in a single operation

45% OFF

- Integrated blade for cutting round and flat cables
- Impact proof plastic housing

$20.89
ORDER CODE 240-958502

170mm Cable Snips

CK

- Designed for fast and efficient cutting of aluminium & copper wires and plastic sheathed cables
- Stainless steel razor sharp shearing blades for outstanding cutting performance
- Spring assisted blade opening with safety closing catch for convenience
- Cable cutting capacity: 10mm
- Length: 170 mm

40% OFF

$25.71
ORDER CODE 241-950402

Crimp Tool

DURATOOL

60% OFF

Crimping Capacity

AWG	20-18	16-14	12-10
mm^2	0.5-1	1.5-2.5	4-6
Colour	Red	Blue	Yellow

$27.84
ORDER CODE 312-635302

Tamperproof Torx Screwdriver Sets

DURATOOL

Contents:
7 Piece: T5, T6, T7, T8, T9, T10, T15
11 Piece: T6, T7, T8, T9, T10, T15, T20, T25, T27, T30 and T40

40% OFF

Description	Mftrs. List No.	Order Code	Price/Set
7 Piece	D02202	**210-326402**	$8.68
11 Piece	D02203	**210-326502**	$21.53

Get a FREE copy of our complete catalogue with your next order!

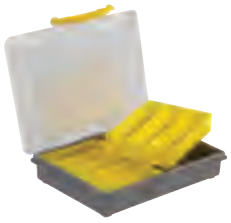
Over 600,000 products you need from brands you trust.
Order code 8951446

All prices in NZD$ | GST exclusive

Assortment Cases

DURATOOL

65% OFF



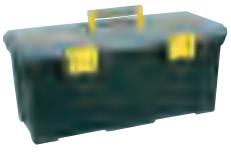
- Secured by 2 hinges
- Ideal for storing small components and fasteners
- Assortment case complete with sliding lock to secure the lid
- With removable inserts
- Box colour: Yellow
- Box material: Plastic

Dimensions (W x D x H)	Order Code	Price Each
175 x 140 x 30mm	210-320902	$2.09
340 x 250 x 60mm	210-321102	$12.96

Tool Boxes

DURATOOL

65% OFF



- Robust plastic construction
- Padlock lugs
- Soft grip handle
- Internal tote tray

Dimensions (W x D x H)	Order Code	Price Each
395 x 223 x 165mm	144-737202	$8.78
500 x 250 x 255 mm	144-737402	$9.84

Waterproof Base Maxi Tool Bag

MAGMA

25% OFF

The Maxi CK Magma tool bag features a durable, reinforced polyester construction, wide opening for easy access as well as internal storage area featuring 22 additional pockets and holders.

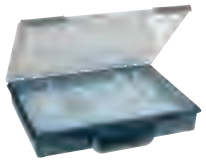
- Bright red inner lining for easy visibility of stored items
- 100% waterproof and crackproof rubberised base
- Padded, long handle and shoulder strap for maximum comfort as well as the ability to be carried whilst open
- Dimensions: 550 x 330 x 300mm (W x D x H)
- Weight (Net): 2.15kg

$95.69
ORDER CODE 225-252802

Storage Case

raaco

40% OFF



A professional service case of A4 format. This unit is available with 15 inserts of different sizes. HxWxD(mm) 57x338x261

$31.75
ORDER CODE 206-986202

Storage Boxes

DURATOOL

55% OFF

- 15 Compartments with Dimensions: (LxWxH) 210x338x62mm
- 22 Compartments with Dimensions: (LxWxH) 420x335x62mm
- Hinged lids
- Double locking lid
- Removable compartment trays

Mftrs. List No.	Order Code	Price Each
D00416	144-738002	$8.52
D00417	144-738102	$13.53

Small Tool Bag with Pocket Document Holder

65% OFF

Small tool bag with small document pocket and adjustable shoulder strap. 180 x 230 x 30mm.

$20.14
ORDER CODE 242-893802

Mobile Phone Pouch

65% OFF

Mobile phone waist holder for use with TOP BELT N. 80 x 130 x 30mm.

$12.46
ORDER CODE 242-893702

Steel Storage Cabinet

250 Series

raaco

45% OFF

Cabinet made of painted steel and drawers made of polypropylene. Each drawer can be sub-divided using inserts.

- Material: Steel
- Depth: 255mm
- Height: 453mm
- Width: 357mm

$158.40
ORDER CODE 206-991102

Visible Storage Cabinets

550 series

TRESTON

50% OFF

- 550mm high
- 7 different options
- Wall or desk mountable
- Fits into space saving turntable system 12-550
- Propylene frame & galvanized steel shelves
- Crystal clear polystyrene draws
- Self adhesive labels included

Description	Mftrs. List No.	Order Code	Price Each 1+
Cabinet 60 Drawer	550-3	442-990402	$112.56
Cabinet 24 Drawer	554-3	442-993002	$120.71

Technician's Tool Case Plus

MAGMA

45% OFF

- 50 Pockets and holders
- 100 % Waterproof and crackproof rubberised base
- Padded handle and shoulder strap
- Padded central compartment fits laptop
- Internal document pocket
- Dimensions WxDxH(mm) 460x210x420

$130.05
ORDER CODE 188-556702

Tool Roll

MAGMA

65% OFF

- 30 pockets to carry a range of tools
- can be used as roll or for wall hanging
- with padded handle
- dimensions: open status, empty: 560x490x10 mm (w x d x h) rolled status, empty: 410x140x65 mm (w x d x h)

$33.18
ORDER CODE 188-557302

3 Pocket Pack

MAGMA

55% OFF

- Holds small loose items
- Can be clipped onto belt and bag
- Dimensions per pocket, empty:

Large: WxDxH(mm): 218x170x10
Medium: WxDxH(mm): 178x150x10
Small: WxDxH(mm): 145x120x10

$15.83
ORDER CODE 188-557902

Flux Dispensing Pen

No clean Flux Dispensing Pen
- Applies a patented non-corrosive, halide free, organic no-clean flux
- Minimise excess flux waste
- Fast drying
- Flux meets MIL-14256 E+F Type R and RMA

40% OFF

$12.22

ORDER CODE 130-69202

Soldering Iron Round Sloped Tip

'Longlife' tips are made from pure copper, then iron plated for long life and chromium plated to prevent oxidation. With proper care they are always wettable.

PT-AA7 (416-290) Fitted as standard

PTAA

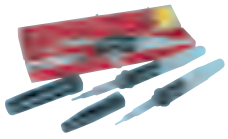
L = 16, W = 1.6

40% OFF

$7.39

ORDER CODE 416-29002

WSTA3 Gas Soldering Iron Pyropen



- Sophisticated gas powered soldering iron, inert gas/hot air blower and brazing torch
- Temperature between 200°C and 500°C
- Tip is heated without a burning flame
- Reservoir in handle holds sufficient butane gas for up to 45 minutes soldering
- Not supplied with gas

40% OFF

$208.51

ORDER CODE 418-85702

3.0mm Chisel Tip

- Tip Nozzle Width: 3mm
- Tip Nozzle Style: Chisel
- For use with WPA2 Soldering Iron
- Tip length: 18.29mm

20% OFF

$23.18

ORDER CODE 418-87002

60/40 Alloy, 309 Rosin Flux

55% OFF

Weight	Wire Diameter	Order Code	Price Per Reel 1+
250g Reels	0.5mm	**509-078702▲**	$24.88
	1.2mm	**509-081702▲**	$21.62
500g Reels	0.7	**509-083002▲**	$44.07
	0.9mm	**509-084202▲**	$40.59

Solder Sucking Wick - 'No Clean'

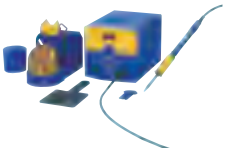
- Flexible copper braid designed for desoldering
- Impregnated with synthetic flux, removing the need for cleaning
- 1.5m lengths are packed on anti-static reels
- Wick is inherently anti-static, so lengths cut from larger reels can be used in anti-static environments

70% OFF

Width (mm)	Length (m)	Mftrs. List No.	Order Code	Price Each
Anti-Static				
0.8	1.5	NC-OO	**111-554102●**	$5.03
1.42	1.5	NC-AA	**252-48702●**	$6.97
1.88	1.5	NC-AB	**252-49902●**	$7.06
2.59	1.5	NC-BB	**252-50502●**	$6.71
Non-Anti-Static				
1.5	30	NC-AA30M	**609-37702●**	$98.87
2.2	30	NC-AB30M	**609-38902●**	$105.92

HAKKO Soldering Station

FM203-15 - Dual Port



A soldering tip is not included with this product. The tip of desired shape should be purchased separately

Features :
- Ideal dual port soldering solution for conventional and **lead free** soldering
- Composite tip exhibits provides powerful thermal recovery and temperature accuracy
- Output voltage: 24V
- Sleep function drops temperature to 200°C to prevent oxidization of the tip
- Sleep function is user settable time 0-29 min
- Automatic power shut off turns of the soldering iron when not in use for energy saving and safety reasons

$884.57

ORDER CODE 156-813002

Removal Fluxes

A range of rework fluxes supplied in a handy flux syringe with plunger and nozzle.

30% OFF

Mftrs. List No.	Description	Order Code	Price Per Pack
SMD291	Std Flux, 10cc	**185-021602**	$26.59
SMD4300TF	Water Washable, 10cc	**185-022102**	$30.24

WES51D & WESD51D Soldering Stations

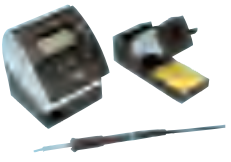
For trade or industrial use only

Soldering Stations includes: Soldering station, PES51 iron, PH50 iron stand with sponge and ET series tip.
- Analogue, or digitally controlled soldering stations
- Output power: 50W
- ESD safe
- Temperature range: 150°C to 450°C
- Temperature lockout

Mftrs. List No.	Type	Order Code	Price Each
WES51D	Analogue	**439-338702**	$264.47
WESD51D	Digital LED Temp Display	**167-685502●**	$312.68

WD1000 80W Digital Station

For trade or industrial use only



WD1000 Digital soldering station includes:
- WD1 Power unit
- WSP80 Soldering iron
- WDH10 Bench holder

$509.81

ORDER CODE 117-853302●

900M-T SolderingTips

- Compatible with lead-free solder
- Shape B: All-round type which can be used from any direction and is easy to hold at any position. Possible to solder any surface from small to large.
- Shape D: Shape like a flat-blade screwdriver and is capable of soldering by applying the tip in 2 ways- Line and face.

25% OFF

Mftrs. List No.	Order Code	Price Each
900M-T-B	**782-70102**	$10.12
900M-T-1.2D	**782-87702**	$10.12

Self-igniting Junior Pyropen

Not supplied with gas

40% OFF

- Self-igniting butane gas operated soldering iron
- The soldering tip can be replaced with a hot blow nozzle
- Heat temperature range: 200°C to 500°C
- Operating time max.: 1h
- Output power: 60W
- Time to operation: 30s

$113.20

ORDER CODE 559-79902

All prices in NZD$ | GST exclusive

WX 1 Soldering Station

Weller

Contents of WX 1010: WX 1 Control unit, WXP 120 soldering iron and WDH 10 safety rest.

- 120 watt pencil can solder large or small parts requiring high power
- Capacitive glass touch screen is chemical and temperature resistant
- Turn and click wheel with enter key and finger guide is intuitive to use
- Multi-language menu navigation
- Large graphic LCD display can be viewed from all angles
- Versatile connectivity options - preheaters and fume extraction systems
- Multi-purpose USB port for parameter configuration and data logging
- ESD safe to protect sensitive components
- Uses XT series soldering tips

$1,018.76
ORDER CODE 189-904702

Soder-Wick® Lead Free SD Desoldering Braid

Chemtronics

- Engineered specifically for high temperature, lead-free solders
- Transfers heat to the solder joint more quickly and efficiently than conventional desoldering braids
- Specifically designed for all lead-free solders
- Braid material: copper

Mftrs. List No.	Width (mm)	Length (m)	Pack	Order Code	Price Per Pack 1+
Singles					
40-2-5	1.5	1.524	1	959-947902	$3.67
40-3-5	2	1.524	1	959-948702	$5.16
40-2-10	1.5	3.048	1	959-950902	$8.73
40-3-10	2	3.048	1	959-951702	$9.48
40-4-10	2.8	3.048	1	959-952502	$9.79

55% OFF

Desoldering Iron Nozzle 1.8mm

Weller

- For use with DS80 and DSV80 Soldering Iron
- Tip / Nozzle Width: 3.25mm
- DS114 EURO

Metric Tips ID (mm)	OD (mm)	Length (mm)	Mftrs. List No.
1.8	3.3	18	DS114

$17.61
ORDER CODE 458-43002

Lead-free Tip Tinning Block

TTC LF

Multicore

30% OFF

- Rapid and effective for cleaning and re-tinning very corroded tips
- Compact block containing flux and lead-free solder in powder form
- Compatible with lead or lead-free processes
- Activator is decomposed by heat
- Alloy complies with international standards of purity
- Minimal residues
- Packed in a small metal tin with a lid and self-adhesive pad so that it can be fixed to any surface

$16.23
ORDER CODE 111-547702

Tip Activator

Weller

45% OFF

- For regeneration of oxidized tips
- Works fast and easily with low temperature
- Environmentally safe, no halides, lead, rosin, or residue
- Regular use will prolong life time of the tip

$17.22
ORDER CODE 873-89502

Soldering Iron 80W

Weller

- 80 W Marksman Soldering Iron
- Weigh: 113g
- 238mm Long
- Recommended for medium wattage for electrical soldering

80 Watt = Length: 20cm, Power Supply: 240V

$86.33
ORDER CODE 781-82402

Smoke Absorber

FA-400

HAKKO

- Vertical mounting allows absorbtion of wide-spread smoke
- Horizontal mounting gives powerful absorbtion at closer area with high flow rate. Because of low height, it gives less shade keeping your working area light
- For trade and industrial use only
- Compact Design
- ESD Safe
- Portable solder smoke absorber that can be mounted horizontally or vertically

$174.73
ORDER CODE 178-297302

ML200 Magna Lite Blow Torch

Weller

35% OFF

- Waterproof Piezo electronic ignition for reliable ignition every time
- Adjustable flame height and lenght, and heat level output up to 1,300°C
- Flame lock-on allows hands free operation
- Up to 60 minutes continuous use
- Refillable with Weller BR200 butane 442-5820
- Applications include heating shrink tubing, fusing rope ends, un-freezing locks, camping, labority work, soldering, brazing & boating
- Built in stand holds unit upright for stand alone use

$70.27
ORDER CODE 145-351702

Heating Element

HAKKO

For use with 809 Desoldering Gun

$81.01
ORDER CODE 783-07902

SP175D Heavy Duty Soldering Iron

Weller

25% OFF

- Output Power: 175W
- Supply voltage 240V
- Suitable for very heavy cable and meduim gauge sheet metal.

$125.94
ORDER CODE 145-475902

Desoldering Iron Nozzle 1.5mm

Weller

30% OFF

- For use with DXV and DSX
- Length: 25mm
- Width: 2.9mm

$12.00
ORDER CODE 128-210802

FX-600 Soldering Iron

HAKKO

- Compact size ideal for repair technician
- Suitable for SMD and through hole applications
- Adjustable "electronic" closed-loop temperature control
- Dial the temperature you want
- Temperature range: 200°C to 500°C
- Provided with lock key so temperature can be set by process supervisor.
- Efficient heating
- FAST thermal recovery

$96.65
ORDER CODE 211-464902

FX-888D Digital Display Soldering Station

HAKKO

- 2 control buttons to change all parameters
- Temperature selection by normal mode or from 5 preset options
- Password protected temperature setting
- Digital Display
- Temperature stability ±1°C
- Easy calibration

$226.26
ORDER CODE 228-075302●

FS100 Soldering Paste

HAKKO

- Great for re-tinning tips
- Ideal for removing oxide deposits particularly those associated with lead free alloys

60% OFF

- Extends usable tip life
- Does not use Diamnonium phosphate

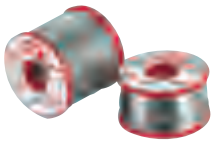
$20.53
ORDER CODE 125-092202

60/40, 40/60 Alloy

60/40 Alloy, 362 Rosin Flux

Multicore

65% OFF



- Contains five cores of mildly activated, non-corrosive "362" rosin based flux
- Amber coloured (rosin) residues do not require cleaning
- 40% Tin (Sn), 60% Lead (Pb) Alloy
- 234°C melting temperature (tip temperature approximately 354°C)
- Ideal for general soldering of electronic, television, radio and electronic equipment where higher melting point solder wire is required

	Length		
mm	m	Order Code	Price Per Reel
250g Reels			
1	44	**453-58402▲**	$21.66
1.22	30	**419-26602▲**	$20.91
0.91	54	**419-27802▲**	$25.42
0.71	89	**419-28002▲**	$22.54
0.56	144	**419-29102▲**	$28.29
0.46	216	**419-30802▲**	$30.16
500g Reels			
1.5		**453-57202▲**	$50.84
1.22	61	**419-32102▲**	$37.22
		453-59602▲	$41.07
0.91	107	**419-33302▲**	$51.45

FR810 Digital Hot Air Station

HAKKO

- Increased heating capabilities from 50°C to 600°C
- Airflow 100L/min (free flowing)
- Supply voltage: 240V
- 5 programmable pre-sets for temperature and airflow

Mftrs. List No.	Description	Order Code	Price Each
FR810	DIGITAL HOT AIR STATION, 50-600DEG CEL	**245-586402●**	$965.31
B5058	Nozzle Adaptor	**245-587002●**	$23.47

SMD Removal Kit

CHIP QUIK®

- Low temperature desoldering alloy
- 1cc syringe of no clean flux
- Alcohol pads
- Full instructions

50% OFF

Safely removes SMDs using low heat. Fast and easy to use. Will remove 8-10 SMDs.

$24.62
ORDER CODE 185-021402

Free next day delivery on eligible orders!*
Free Express Shipping of UK stocked products with 3-4 day delivery straight to your door, UPS tracking and no hidden fees or taxes
Terms and conditions apply
http://nz.element14.com/freight

Double Solder Reel Stand

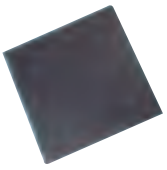
HAKKO

- Keeps bench space tidy
- Easy solder feed to tip
- Draws out wire smoothly
- 611-2 holds up to 2 x 1kg reels of solder

$38.09
ORDER CODE 466-331702

Filter for 493

HAKKO



- Pack of 5
- Mftr Part No. A1001

$39.23
ORDER CODE 318-810302

10cc Solder Paste

CHIP QUIK®

- Supplied in 10cc syringes, net weight 35g
- Melting temperature: 183°C

45% OFF

$37.99
ORDER CODE 185-022302▲

Tip Cleaner

DURATOOL

- No water or messy wet sponges necessary
- No temperature drop as in conventional sponges
- Anti-slip pad on the base and an integral adjustable soldering iron rest

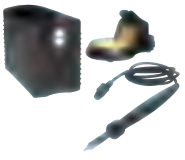
30% OFF

$7.52
ORDER CODE 146-728002

PS-900 SmartHeat® Soldering System

For trade or industrial use only

Powered by Micro SmartHeat | OKI



- SmartHeat® Temperature Control
- Autosleep Workstand
- Low cost, quick-change heater coil
- Added plating thickness to tips

Contents: System includes power supply with power cord, hand-piece with cord , workstand with sponge and cartridge removal pad
Note: Uses SFV-xxxxx series tips

Supply Voltage	100-240V	50-60Hz
Power Consumption	90W	
Power Output	60W	
Dimensions (HxWxD)	115x80x160mm	

$339.96
ORDER CODE 156-073802●

Butane Powered Soldering Iron

Weller®

- Waterproof piezo ignition for fast, reliable ignition
- Adjustable flame height
- Temperature adjustable from 400°C to 510°C
- 30 minute run time
- Refills with standard butane gas (Weller BR200)

$41.84
ORDER CODE 156-813802

FM2032-52 Micro Soldering Iron Kit

HAKKO

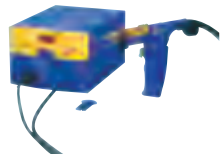
Features :
- Power Consumption: 48W
- Kit consist of a slender, light weight hand piece that extends precision micro soldering capabilities to a variety of Hakko soldering and rework systems
- Connects to FX951, FM203 & FM206 stations
- Compatible with T30 series micro tips (no tips supplied)
- Temperature range 200°C - 450°C
- ESD safe
- Kit contents: FM2032-51 Hand piece only, B3253 Connecting cable, FH200-81 Iron holder, B2300 Heat resistant pad

$247.87
ORDER CODE 245-433102●

All prices in NZD$ | GST exclusive

FM204 Lead Free Desoldering Station

HAKKO



- Excellent thermal recovery via the integrated nozzle which contains both heater and sensor
- Easy Maintenance
- Uses disposable paper pipe filters which allows paper and solder to be disposed of separately.
- Quick nozzle replacement, can be replaced safely with the provided nozzle remover
- Safe design, equipped with a nozzle lock function
- Sleep function 0-29 min user settable decreases the temperature to approx. 200
- Auto power shut off function after 30 min have elapsed after insertion into the iron holder
- Selectable Grip detachable handle allows two-way use either Gun or Straight
- ESD Safe

$1,193.85
ORDER CODE 156-812902

FX950 Soldering Station

HAKKO

- Utilising Hakko's composite tip technology
- Range of 84 different tip profiles
- Featuring calibration/offset function
- Temperature range: 200°C to 450°C

For trade and industrial use only

- Lead free soldering station, with analogue temperature indicator

$363.84
ORDER CODE 142-876402

FX951 Soldering Station

HAKKO

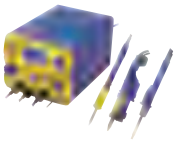
- High performance soldering iron
- Sleep function setup
- Optional tips- T12 Series
- Output power: 70W
- Temperature range: 200°C to 450°C
- Dimensions: 131x80x130mm

For trade or industrial use only

$516.20
ORDER CODE 967-793302

FM206-20 3 in 1 Soldering and Rework Station

HAKKO



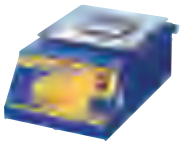
- LCD interface for easy setup and operation
- 3 Simultaneous powered ports
- Self-contained pump for vacuum and air flow
- Digital airflow indicator
- Configurable display in °C or °F
- Manual or auto modes

For trade and industrial use only

$2,800.67
ORDER CODE 211-462502

FX300 Soldering Pot

HAKKO



- Lead-free solder compatible compact knob type soldering pot
- Provides quick start-up and easy pot replacement.
- Compatable with lead-free solder
- Maximum temperature 450°C
- Supplied with 50 x 50 mm solder pot (75 x 75 mm optional)
- Easy pot replacement

For trade and industrial use only

$655.91
ORDER CODE 153-759502

FR300-18 Portable Desoldering Gun

HAKKO

Features :

- Includes a new pump system that generates superior suction flow, with better balance to reduce vibration during use.
- A closed-loop sensor feedback system provides improved temperature recovery and control, with a ceramic heating element and temperature range of 350°C-500°C.
- Easy to clean solder recovery chamber minimises maintenance and reduces waste
- Power Consumption: 98W
- Cord length: 1.8m
- Includes: N50-04 ø1.0mm Desoldering Nozzle

$603.08
ORDER CODE 245-433802

701 Repair System

HAKKO

- The all-in-one system for soldering and desoldering
- Supply Voltage V AC: 240V
- Heat temperature range: +200°C to +480°C
- Power consumption: 150W
- ESD Safe

For trade and industrial use only

$1,227.96
ORDER CODE 783-00602

Micro-jet Gas Torch

iroda

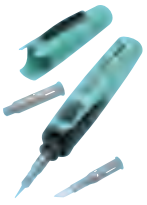
55% OFF

- Pocket sized - Ideal for soldering and jewellery repairs
- Auto ignition
- 1300°F windproof flame
- Safety lock
- Fuelled by a standard cigarette lighter (included) - Refill with any branded butane gas
- Dimensions (HxWxD): 110x65x25mm
- Weight: 60g

$11.92
ORDER CODE 129-682502

WP60K Gas Soldering Iron kit

Weller



Includes:WP60 Gas soldering iron, 0.5mm soldering tip, hot blow nozzle, hot knife tip and protective cap

- 500°C when used as a soldering iron
- 650°C when used as a hot air blower
- 1300°C when used as a blow torch

$131.45
ORDER CODE 476-952102

Conductive Epoxy

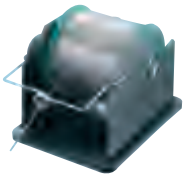
circuitworks

- Quick solderless electronic connections
- High strength conductive bonding
- Quick, low or no heat cure
- Compatible with both the 2200 conductive and the 3300 overcoat pens

$149.07
ORDER CODE 604-05702

Single Soldering Reel Stand

HAKKO



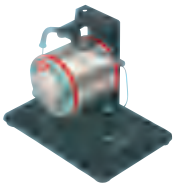
- Draws out wire smoothly
- Holds up to 1kg reels of solder
- Shaft diameter: 15mm
- Dimensions: 87x200x141mm

$24.45
ORDER CODE 466-330502

Dispenser for 500g Solder Reels

Weller

25% OFF



- Wire is fed through a dispensing tube
- Friction mount prevents reel running on
- Suitable for all gauges of 500g reels

$75.58
ORDER CODE 419-60602

BVX-101 Fume Extraction System

METCAL

- Single-user system with multi-user power for thorough, effective fume extraction
- Air flow max: 85m³/h
- Bi-Coloured LED to indicate blocked filters
- Unique blower design provides quiet operation- 55dB
- Plug type: Euro, UK
- 300mm wide opening (plenum) on the front
- Flexible arm (hose) length: 600mm

$966.45
ORDER CODE 495-049502

SP25D Soldering Iron

Weller

- Output Power: 25W
- Supplied with stand
- Tip temperature is 400°C

30% OFF

$67.67

ORDER CODE 781-03402

Single Layer Sponge

Weller

- Pack of 5
- For use with Weller WMPH & WPH81 Iron Holders
- External Depth: 16mm
- External Width: 55mm

45% OFF

$14.20

ORDER CODE 800-63602

Replacement Wire Cleaner

HAKKO

- Suitable for use with lead-free and conventional solders
- 599B is coated with flux and no water is required to clean tips
- The wire is softer than the tip plating but harder than the oxidation that forms on the tip, a simple plunge of the tip into the wire will clean the tip

25% OFF

$9.89

ORDER CODE 128-622402

Soldering Pencil for WTCPTD Station

Weller

- WTCPTD (formerly WTCPT)
- Soldering station features 42 watt 24 volt controlled output soldering pencil
- The Weller Magnastat control is the ideal operator lock out system
- Pencil fitted with 1.6mm 700°F/371°C tip

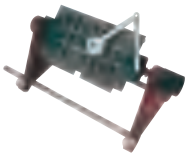
- WTCPT includes TC201B iron, TC202DT2 power supply, PH1201 and PT series tip
- Made in Australia

$211.48

ORDER CODE 137-329202

Circuit Board Holder

Weller



The versatile circuit board vice holder brings you complete control for soldering and desoldering PCBs or other projects of almost any shape and size.

$168.04

ORDER CODE 781-01002

Wood burning & Hobby Kit

Weller

- 30 Watt short barrel woodburning iron
- 15 pc set, including 12 tips, ideal for wood burning, sculpting, adding accents, stencil cutting, embossing and branding.

$36.55

ORDER CODE 164-284702

No Clean Flux Pen

AMTECH AUSTRALIA

- Contains NC264-5 flux
- Provides a very controlled method of applying liquid flux during rework applications
- Performs well with bare copper, solder coated, and organic coated PWB's

$8.17

ORDER CODE 182-777602

Therma-Boost Heat Tool

Weller

- Rating 30 watt standard / 130 watt boost
- Supply voltage 230 V / 50 Hz
- Maximum temperature 510 C
- Red and green LED indicators to show standard / boost mode
- Duty cycle in boost mode 8 seconds

$59.00

ORDER CODE 149-824402

Solder Pellets

multicomp

- Ideal for solder pots or baths
- Weight: 250g
- Solder alloy: 99/0.3/0.7
- Reduced drossing
- Better reliability than tin/lead
- Melting point 228°C

55% OFF

$47.56

ORDER CODE 125-906502

Clamp Tool With Magnifier

DURATOOL

- Adjustable joints for movement in all directions
- Strong alligator clips hold work securely
- Heavy cast iron base for added stability
- Distortion free magnifying glass

55% OFF

$5.29

ORDER CODE 136-704902

Ceramic Filter to suit FM-204

HAKKO

- For use with FM-203, FM-2023, FM-2024 Desoldering tool

$11.20

ORDER CODE 166-625502

ESD Desoldering Pump

DURATOOL

- Metal body with 7.7cm^3 volume
- ESD compliant
- Electrical resistance 10^5 OHM
- Heat resistant & conductive carbon fibre nozzle

$27.38

ORDER CODE 179-272402

Tip Cleaner

HAKKO

- No water required
- Will not reduce the tip temperature as conventional sponges do
- Cleans better than conventional sponges

$17.85

ORDER CODE 466-332902

Barrel Assembly

Weller

- For use with Weller TCP S and LR21 Soldering Irons

$126.68

ORDER CODE 782-56702

All prices in NZD$ | GST exclusive

Alkaline High Voltage Battery

GPB

70% OFF

- Miniature 12V and 6V batteries
- Fits popular makes of cameras and electronic lighters
- Fits vehicle alarm remote key fobs
- GP23A fits Steinel continuity and voltage testers

Mftrs. List No.	Order Code	Price Each
GP23A	**300-40802**	$0.63
GP27A	**724-05102**	$1.11

Industrial Alkaline Batteries

Energizer

70% OFF

Last up to 7 times longer than conventional zinc carbon batteries with a 5 year shelf life

Type	Pack Qty	Order Code	Price Per Pack
C	12	**152-048002**	$13.63
D	12	**152-048102**	$21.59
PP3	12	**152-048202**	$30.70

Energizer Industrial Alkaline

Packaged batteries

Energizer

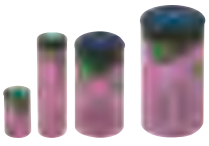
50% OFF

Type	Pack Qty	Battery Voltage	Order Code	Price Per Pack
AA	24	1.5V	**377-747902**	$27.29
AAA	24	1.5V	**377-748002**	$21.03
C	12	1.5V	**377-749202**	$23.87
D	12	1.5V	**377-750902**	$34.10
PP3	12	9V	**377-751002**	$36.50

3.6V Lithium Thionyl Chloride Batteries

TADIRAN BATTERIES

55% OFF



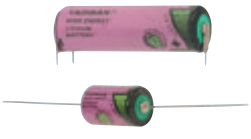
- High capacity and energy density
- High terminal voltage
- Level discharge characteristics
- Wide operating temperature
- Up to 10 year shelf life
- Hermetically sealed

Can Style	Mftrs. List No.	Order Code	Price Each
1/2AA	SL350S	**118-725202**	$7.61
AA	SL360S	**118-725302**	$9.14
C	SL2770/S	**118-725402**	$23.37
C	SL2770/T Tagged	**118-725502**	$24.09
AA	SL760/S	**118-726602**	$9.31
D	SL2780/T Tagged	**118-725702**	$30.76

3.6V Lithium Thionyl Chloride

TADIRAN BATTERIES

45% OFF



Note: These batteries are designed to be PCB mounted and must not be used to replace standard zinc carbon or alkaline maganese battieries due to the terminal voltage.

	Voltage	Capacity Ah	Can Style	Mftrs. List No.	Order Code	Price Each
Axial	3.6	1.2	1/2AA	SL350P	**118-725802**	$7.66
	3.6	1.1	1/2AA	SL750/S	**118-726402**	$7.75
Polarised	3.6	1.2	1/2AA	SL350PT	**118-726202**	$7.40
	3.6	2.4	AA	SL360PT	**118-726302**	$9.08
	3.6	1.1	1/2AA	SL750/PT	**118-726502**	$7.85
	3.6	1	2/3AA	SL561/PT	**118-726802**	$21.72

Advanced Battery Charging System

THE MASTER SERIES

50% OFF

- Fully automatic lead acid charger
- 4 stage model is microprocessor controlled
- Suitable for wide range lead acid styles: flooded, sealed, maintenance free, VRLA & Gel to AGM

No. of charge stages	Voltage	Current	Mftrs. List No.	Order Code	Price Each
3	6V	0.75A	BFJ06	**466-355002**	$39.80
3	12V	0.75A	BFJ12	**466-356102**	$52.53
4	12V	1.25A	BFA12	**466-357302**	$92.10

Lantern Batteries 6 Volt

Energizer

65% OFF

- Industrial 409 - Power at an affordable Price
- Black 1209 - Super heavy duty for durable use with frequent medium power demands

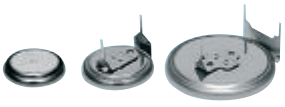
Voltage	Type	Mftrs. List No.	Order Code	Price Each 1+
6V	Blue Carbon-Zinc	409	**391-548702**	$4.78
6V	Black Carbon-Zinc	1209	**382-282502**	$10.40

Non-Rechargeable Lithium Coin Cells

CR Series

Panasonic ideas for life

85% OFF



- CR Series (lithium manganese dioxide); high load pulse current
- Operating temperature range -30°C to +60°C

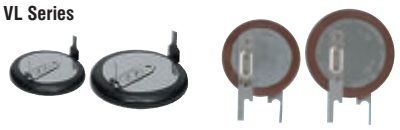
Mftrs. List No.	Voltage (V)	Capacity (mAh)	Order Code	Price Each
Standard				
CR-2032/BN	3	220	**521-959002**	$0.41
Horizontal PCB Mount				
CR-1220/HFN	3	35	**129-824402**	$1.33
CR-2032/HFN	3	220	**129-824602**	$1.13

Vanadium Lithium Coin Cells

VL Series

Panasonic ideas for life

75% OFF



Voltage (V)	Capacity (mAh)	Mftrs. List No.	Order Code	Price Each
Horizontal PCB Mount				
3	7	VL-1220/HFN	**880-654302**	$2.50
3	20	VL-2020/HFN	**880-655102**	$2.83
3	50	VL-2330/HFN	**880-656002**	$3.70
3	100	VL-3032/HF5N	**880-657802**	$5.12
Vertical PCB Mount				
3	7	VL-1220/VCN	**151-421802**	$2.72
3	20	VL-2020/VCN	**151-421902**	$3.01
3	100	VL-3032/VCN	**151-422302**	$5.46

Rechargeable Lead Acid Batteries

CENTURY

50% OFF

- Sealed battery requiring no adding of electrolyte
- 5 years design life in conditions of 25°C, 12-month replacement guarantee.
- Leak proof & Rugged Construction
- Used in series and parallel.
- High Discharge Rate -Low internal resistance

Nom. Voltage	Capacity 20Ah rate	Mftrs. List No.	Order Code	Price Each
12V	7	PS1270	**381-464602**	$30.52
12V	18	PS12180	**381-466002**	$52.76

Lithium Coin Cells

multicomp

80% OFF

- Non-rechargeable lithium coin cells
- Operating temperature -20°C to +70°C
- Applications include memory back up, watches, calculators, remote control key fobs

Capacity (mAh)	Size Code	Voltage (V)	Dimensions (mm) Diameter	Height	Weight (kg)	Mftrs. List No.	Order Code	Price Each
50	1616	3	16	1.6	1.2	CR1616	**206-516602**	$0.67
150	2025	3	20	2.5	2.6	CR2025	**206-517002**	$0.33
210	2032	3	20	3.2	3.2	CR2032	**206-517102**	$0.32
600	2450	3	24.5	5	6.9	CR2450	**206-517302**	$0.90

Industrial Alkaline Batteries

INDUSTRIAL by DURACELL

- High power batteries dedicated to industrial and commercial markets
- Most powerful Duracell industrial battery to date – packaged for the professional user
- 7 Year shelf life (9V PP3 5 year shelf life)

55% OFF

Type	Pack Qty	Order Code	Price Per Pack
AAA	10	243-304402	$5.74
AA	10	243-304502	$6.54
C	10	243-304602	$11.36
D	10	243-304702	$20.35
PP3	10	243-304802	$21.03

PROCELL Battery 9V 12 Pack

DURACELL

- Battery voltage: 9V
- Alkaline
- Snap Contact

40% OFF

$31.95
ORDER CODE 471-691702

Premium Alkaline Batteries

DURACELL

45% OFF

Type	Pack Qty	Order Code	Price Per Pack
AAA Ultra	24	381-522502	$21.47
AA Ultra	24	381-521302	$25.13
D Ultra	12	381-524902	$33.88
9V Ultra	12	381-525002	$33.88

Ultra Power Battery

DURACELL

- Battery Size Code PP3
- Battery Voltage 9V
- Snap Contact

50% OFF

$9.19
ORDER CODE 378-578602

Non-Rechargeable Alkaline Batteries

Energizer

- Pack of 120
- Raised positive and flat negative

25% OFF

Voltage	Type	Mftrs. List No.	Order Code	Price Each 1+
1.5V	AAA	638499	247-017902	$110.29
1.5V	AA	638469	247-018002	$110.29

Polycarbonmonofluoride lithium cylindrical battery

Panasonic Batteries The Ultimate Power

- Polycarbonmonofluoride lithium batteries (BR series)
- Exhibit stable performance at comparatively high environment temperatures (-40°C to +85°C)

35% OFF

Voltage (V)	Size	Nominal Capacity (mAh)	Height (mm)	Diameter (mm)	Weight (g)	Mftrs. List No.
3	2/3A	1200	33.5	17	13.5	BR2/3A

$7.56
ORDER CODE 382-711202

9 Volt Lithium Manganese Battery

ULTRALIFE

- PP3 style lithium manganese battery
- Lasts 5 x longer than Alkaline whilst maintaining the same footprint as it
- Ideal for long rest 'intermittent' applications such as multimeters, smoke alarms and remote controls
- Battery Voltage: 9V
- Battery Capacity: 1200mAh

H=48.2, W=26, D=16.8

$11.14
ORDER CODE 207-555902

USB 2 Drive In Car Charger

ANSMANN

- 5V Output voltage
- 2 x USB Ports
- 1000mA Output current
- 12-24V DC Input voltage

40% OFF

Car Charger for USB applications such as iPhones, iPods, BlackBerry and MP3.

$13.76
ORDER CODE 207-605402

Battery and Rechargeable Battery Tester

ANSMANN

Energy-Check LCD

- This compact and user-friendly tester checks the energy content of rechargeable batteries and batteries of any type within a very short time
- The actual energy content is indicated in 10% steps within 2-3 s just by making contact with the cell to be checked
- In addition to the percentage capacity, the cell voltage is indicated in volts
- Powered by 1 x 9V battery (supplied)

40% OFF

$123.93
ORDER CODE 125-317602

PCB Mounting

VARTA

NiMH MemPac Memory Protection Range

- Drop-in replacement for existing nickel cadium batteries of equivalent sizes
- More environmentally friendly than nickel cadmium versions

40% OFF

	Capacity	Order Code	Price Each 1+
1.2V			
	150mAh	279-33002	$6.94
	150mAh	279-35302	$10.12
4.8V			
	150mAh	863-97002	$14.67
6V			
	150mAh	863-98102	$28.31
	300mAh	863-99302	$18.62

Alkaline Manganese - Duracell Duralock Plus

DURACELL

Mercury Free

Duracell Plus Power with Duralock Power Preserve™ Technology is our most powerful alkaline battery.

50% OFF

Voltage (V)	Can Style	Dimensions (mm) Dia	H	W	D	Weight (g) Approx.
1.5	AAA	10.5	44.5	–	–	11
1.5	AA	14.5	50.5	–	–	24
1.5	C	26.2	50	–	–	69
1.5	D	34.2	61.5	–	–	139
9	PP3	–	48.5	26.5	17.5	45

Can Style	Pack Qty.	Order Code	Price Per Pack 1+
AAA	8	234-525902	$9.08
AA	8	234-526002	$11.36
AA	12	234-525702	$17.04
C	4	234-526102	$11.36
D	4	234-526302	$13.80
PP3	4	234-525802	$17.40

All prices in NZD$ | GST exclusive

Industrial ATEX LED Torch

Energizer

- Uses 2 x AA batteries
- 3 x Nichia LEDs
- 18 Lumens. 19 metres beam distance
- Robust: survives 2.5m drop
- Completely Water Proof and Dustproof (IEC standard IP67)

30% OFF

$29.99

ORDER CODE 177-567302

LED Head Torch

PRO-ELEC

- 12 x high intensity LEDs (100,000 hours average life)
- 4 mode operation - 4 LED, 8 LED, 12 LED, 12 LED Flashing
- Adjustable position head for work area focus
- Torch head dimensions (WxHxD): 70 x 55 x 60mm
- Requires 3 x AAA batteries (not supplied)

70% OFF

$6.18

ORDER CODE 173-663802

Tactical LED Flashlight

UNILITE

- 60 Lumens
- 1 x 1.5V AA size Duracell alkaline battery (included)
- Battery life: up to 24hrs continuous
- Weight: 160g and water resistant
- Visible from more than 3000m
- Nylon pouch and strap (included)

40% OFF

$50.13

ORDER CODE 182-433102

6 LED Headlight

Energizer

- Bright white and red LEDs - 8,000 hours life
- Four lighting options
- Swivel adjustment
- Weatherproof & Requires 3 x AAA batteries (included)

35% OFF

$35.78

ORDER CODE 118-856902

3.5" LensTable Magnifying Lamp

NATURALIGHT

AN1040

- 12w Naturalight™ tube (energy saving)
- 9cm (3.5") diameter lens (1.75X) with inset lens (4X)
- Supplied with tube and lens cover
- Height: 35cm / 13.7"

$71.12

ORDER CODE 184-836402▲

LED Torch

UNILITE

- Size: 31mm x 163mm
- Weight: 180g (with batteries)
- Nylon carry strap (included)
- LED Type: 160 Lumen Cree white LED
- LED Focus Control: 1 x flood and 4 x spot
- Dimming Control: 100% - 10% brightness
- Quick / SOS-flashing capability
- Water resistant
- Tactical switch style operation
- Battery Type: 2 x 1.5V AA size Duracell Alkaline batteries (included)

Battery Life:

1.5 hours	ON 100% brightness
3.5 hours	ON 10% brightness
9 hours	SOS flashing

40% OFF

$86.66

ORDER CODE 205-758102●

3D Sighter Magnifier

DURATOOL

- Magnifier will adjust to any head size and is suitable for use in assembly and inspection applications.
- 3D sighters provide a hands free method of magnifying the workpiece to give a clear three dimensionsal image.

35% OFF

$64.63

ORDER CODE 137-585702

80LM Micro HiVis Headlight

UNILITE

- Rubberised head for greater protection
- 3M reflective strap for greater visibility
- Collimator lens
- Emergency flash function
- Impact resistant to 1m
- Water resistant
- Includes:- 1 x 1.5V AA Duracell Alkaline

$44.12

ORDER CODE 240-004402●

X2 LED

ANSMANN

- Super bright 0.5W LED
- 10,000h lifetime
- 50m beam
- Weight: 123g
- 2 X AA batteries included

$12.97

ORDER CODE 142-124002

Handheld Magnifier

SHESTO

- Magnification 2.5x
- Lens dimensions 90mm diameter
- 2 white LED bulbs
- Soft grip body - comfortable grip
- Inbuilt rest for placing safely on desk
- 3 x LR batteries fitted - remove pull tab to activate

30% OFF

$11.51

ORDER CODE 244-279402●

5 Lens Magnifier Set

SHESTO

- Magnification 2.5x
- Lens dimensions 90mm diameter
- 2 white LED bulbs
- 5 precision interchangeable lenses; covering all focal lengths from semi close-up to very close-up
- Lens storage case
- Fitted with 3 x LR1130 batteries - simply remove pull tab to activate

$24.75

ORDER CODE 244-279502●

MityLite™ - Intrinsically Safe Torch

PELI

L = 120, Dia = 23

- Submersible to 150m
- ATEX Approved (Zone 2)
- Pre-focused Xenon beam
- Compact, just 12cm long
- Complete with light bender and 2 AAA batteries

50% OFF

$30.04

ORDER CODE 677-39502

Led Hand Torches

CK

- 3 lighting modes: High, dimmed and flash
- Robust high grade aluminium lamp body
- Water and dirt resistant, tested to IP64
- 150 (9610) or 250m (9620) maximum range

45% OFF

Mftrs. List No.		Order Code	Price Each 1+
T9510	120 LM	239-996102	$24.64
T9520	150 LM	239-996202	$31.22

Get a FREE copy of our complete catalogue with your next order!

Over 600,000 products you need from brands you trust.

Order code 8951446

Insulated 2-Pin Mains Plug to IEC-C7

ACCESS

70% OFF

- Fitted with IEC-C7 appliance connector
- 2-Core, light-duty, flat, double insulated flex, 2m long
- 240V 2.5A
- Insulated pins comply with AS/NZS3112:2000
- Electrical Safety Certificates of Approval: N18155, N18158, Q01734

$6.01

ORDER CODE 417-894402

Extension Lead – IEC C13/C14

ACCESS

- Fitted with a male IEC-C14 and female IEC-C13 connectors for computer monitors
- 3-core, general duty, round, double insulated flex
- 240V 10Amp
- Electrical Safety Certificate of Approval: N18157, N18155, Q18159

Colour	Length	Mftrs. List No.	Order Code	Price Each 1+
Black	2m	K3759	**418-019702**	$3.48
Black	1m	K3759-001	**127-707202**	$6.82
Black	0.5m	K3759-005	**127-707302**	$6.44

DC Power Extension Leads

multicomp

80% OFF

Description	Order Code	Price Each
2.1mm DC Socket to Plug		
1.5m	**120-917502**	$2.54
5m	**120-917802**	$2.24
2.5mm DC Socket to Plug		
1.5m	**120-918002**	$1.12
5m	**120-918202**	$2.85

Lead, European 2.5M - Black

MICROCHIP

- Cable length: 2.5m
- Colour: Black
- Euro to IEC
- Current rating: 10A

85% OFF

$5.29

ORDER CODE 112-437902

DVI to HDMI Cable Assembly

molex

- 5 Gbps supports high definition video and multichannel digital audio in a single cable
- Cable Length: 1m

55% OFF

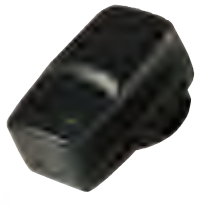
- Connector type A: HDMI
- Connector type B: DVI

$12.87

ORDER CODE 875-002502

USB Power Adapter

AVIGO



- Input Voltage VAC: 100V to 240V
- Output Power Max: 5W
- Output Connector: USB
- Output Current: 1A
- Output Voltage: 5V

65% OFF

$19.43

ORDER CODE 211-547102

USB 2.0 Cables

pro-SIGNAL

- USB A to B cables for use with the faster USB 2.0 interface.
- Colour: White

65% OFF

Description	Order Code	Price Each 1+
A Plug to B Plug, 2m	**186-031202**	$2.44
A Plug to B Plug, 3m	**186-031302**	$3.53

7A Power Cord

- Connector Type A:Mains Plug NEMA/IEC
- Connector Type B: IEC 60320 C7
- Voltage Rating: 125V
- Current Rating: 7A
- Cable Length: 2m
- Jacket Colour: Black

$4.54

ORDER CODE 229-197202

IEC Power Cord

ACCESS

- Connector Type A and B: IEC 60320 C19
- Cable Length: 2m
- Colour: Black

35% OFF

$48.64

ORDER CODE 938-243702

Mains Socket IEC Cord

ACCESS

- 10 A 3-core power cord fitted with a standard Australian mains socket and an IEC C-14 connector
- Suitable for connection of a device with a standard mains plug to an IEC C-13 connector

35% OFF

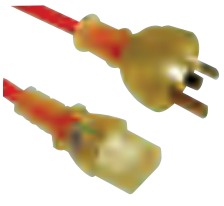
- Typical use is to connect a PC to a UPS
- Electrical Safety Authority Approved
- 1.5m cable length

$12.89

ORDER CODE 577-660002

IEC C13 Medical Power Cords

ACCESS



- 3 Core general duty power cord
- IEC C13 to 3 Pin Mains Plug
- Orange Lead
- Transparent Plug & IEC connector
- Compliant to AS/NZS 3112:2000
- For Medical, Laptops and small appliances use

N5071

45% OFF

Mftrs. List No.	Size in Metres	Colour	Order Code	Price Each 1+
K3750ORA	2	Orange / Transparent	**121-979702**	$9.62
K3758ORA	3	Orange / Transparent	**938-245302**	$10.78
K37557ORA	5	Orange / Transparent	**938-246102**	$17.27
K3748ORA	1	Orange/Transparent	**146-319702**	$8.96
K3754ORA	4	Orange/Transparent	**146-319802**	$11.37

R/H Side Entry Cable

HARTLAND CABLES

- Connector Type A: Mains Plug, Aus
- Connector Type B:IEC 60320 C13, 90°

$14.30

ORDER CODE 780-69802

All prices in NZD$ | GST exclusive

USA to IEC Mains Power Cord

112-4380 112-4393

Cable length = 2m, Diameter = 6.6mm - 6.9mm

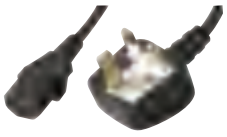
- Connector Type A: USA
- Connection Type B: IEC 60320 C13
- Voltage Rating: 125V
- Current Rating: 10A
- Cable Length: 2m

55% OFF

$9.93

ORDER CODE 112-438002

UK to IEC Power Cord



- Cable length: 2m
- Colour : Black
- Connector type B: IEC 60320 C13
- Voltage Rating: 250V

85% OFF

$8.21

ORDER CODE 119-644002

FTDI USB Cable A to Micro B

- Connector A - USB 2.0
- Connector B - USB 2.0 micro

Mftrs. List No.	Description	Order Code	Price Each +
VA-FC-1M-BKW	USB A to Micro B - Black/White - 1m	235-519502	$4.45
VA-FC-1M-BLW	USB A to Micro B - Blue/White - 1m	235-519602	$4.30

Standard Double Powerpoint

Plate size of 70 x 114mm with 84mm mounting centres.

$28.32

ORDER CODE 782-02602

8 Way Powerboard

D105PA8

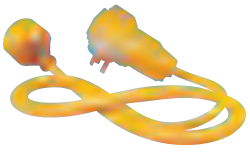
8 Outlet powerboard with 150J surge protection, 1.8m lead, 10,white

45% OFF

$46.29

ORDER CODE 183-591802

Corded Safety Switch



- Portable protection
- Fail-safe feature
- Rating 230-240Vac 10A
- 30mA residual trip
- Trip time 30ms (approx)
- 1.6m yellow heavy duty lead
- Complies with AS/NZ 3190-2002, approval No. N12293

55% OFF

$147.01

ORDER CODE 435-184802

3-Pin Mains Plug to IEC-C13

- Coloured black
- 2 Metres in length
- 10A Current rating
- 250V Voltage rating

80% OFF

$3.22

ORDER CODE 417-892002

USB Type A to USB A cables

- USB Type A to USB A cable
- Improved Shielding
- Meets standard USB 2.0 (transfer rate up to 480 Mbit/s)
- Colour: White

60% OFF

Cable Length	Mftrs. List No.	Order Code	Price Each 1+
1.8m	11.99.8919	244-424402	$1.92
3m	11.99.8931	244-424502	$2.43
4.5m	11.99.8944	244-424602	$3.33
1.8m	11.99.8949	244-424702	$2.09
3m	11.99.8961	244-424802	$2.60

USA to A Micro B Cables

- USB cable with one Type A and one Micro USB connector
- Improved Shielding
- Gold coated Plugs to enhance their contact durability
- Nylon-reinforced outer material for a better stability
- Meets standard USB 2.0 (transfer rate up to 480 Mbit/s)

45% OFF

Cable Length	Mftrs. List No.	Order Code	Price Each +
800mm	11.02.8825	244-422802	$11.77
1.8m	11.02.8752	244-422402	$4.18

300mm Computer Cable Extension

- Cable length: 300mm
- Connector Type A: ATX 24-pin Plug
- Connector Type B: ATX 24-pin Socket

45% OFF

$8.78

ORDER CODE 244-423702

150mm Computer Cable

- Cable length: 150mm
- Connector Type A: USB 2.0 Plug
- Connector Type B: USB 2.0 Micro B Plug

45% OFF

$3.54

ORDER CODE 244-422202

6 Way Powerboard

D105PA6

6 outlet powerboard with 150J surge protection, 0.9m lead, 10,White

50% OFF

$23.22

ORDER CODE 181-828502

USB Type A to USB B cables

- USB Type A to USB B cable
- Improved Shielding
- Meets standard USB 2.0 (transfer rate up to 480 Mbit/s)
- Colour: White

60% OFF

Cable Length	Mftrs. List No.	Order Code	Price Each 1+
1.8m	11.99.8819	244-424102	$1.92
3m	11.99.8831	244-424202	$2.43
4.5m	11.99.8841	244-424302	$2.84

All prices in NZD$ | GST exclusive

RoHS Compliant Non-compliant

pro-POWER

BROAD RANGE · GREAT VALUE · 24/5 SUPPORT · QUALITY ASSURED · Exclusive to element14

Equipment Wire

50% OFF

	Type 2	Type 2
Nom. outside dia.	1.2	1.65
Wall thickness	0.3	0.3
Voltage rating rms		
Current rating @ 70°C	**1.4A**	**3A**

- PVC insulated tinned copper conductors to **DEF61-12 (Part 6)**. **Type 2 (1000V)** or **Type 3 (1500V)** and **BS4808 Part 2**.
- Various colours available
- Supplied in different reel lengths

16/0.2mm type 2	Reel Length	Order Code	Price Per Reel
Black	100m	**121-932302**	$17.19
Red	100m	**121-932502**	$17.19
Orange	100m	**121-932602**	$17.19
Green	100m	**121-932902**	$17.19
Blue	100m	**121-933002**	$17.19
White	100m	**121-933302**	$17.19

Tinned Copper Wire

45% OFF

- Suitable for shorting links, discrete wiring, PCB track repairs etc. Conforms to **BS4109**

250g or 500g Reels External Dia.	SWG (approx.)	Reel Size	Order Code	Price Per Reel
0.213	35	250g	**123-098902**	$23.90
0.508	25	250g	**123-099002**	$23.09
0.711	22	500g	**123-099302**	$34.78
0.812	21	250g	**123-099402**	$22.87
0.914	20	500g	**123-099502**	$18.81
1.22	18	500g	**123-099602**	$34.41
1.626	16	500g	**123-099702**	$34.12
0.559	24	500g	**123-099102**	$35.22

General Purpose Mini-Spools-3:1 Shrink Ratio

40% OFF

- 3:1 shrink ratio
- Flame retardant
- Minimum shrink temperature 80°C
- Operating temperature -40°C to +135°C

Dia. Nom.	Spool Length (m)	Order Code	Price Per Spool
3	10	**121-046702**	$25.34
6	7	**121-046802**	$10.09

RG58CU 50Ω

60% OFF

Capacitance	100pF
Nominal outside diameter	4.95mm
Impedance	50Ω
Reel Length	100m

- High quality RG58 cable
- 19/0.18mm stranded tinned copper conductor
- 90% plain copper braid coverage

$85.94

ORDER CODE **121-935702**

P-Clips, Nylon

80% OFF

- P-clips manufactured in flame retardant Natural Nylon 66
- Suitable for fixing cables, looms etc up to 25.4mm diameter.

Operating Temperature -40°C to +85°C
Fixing Hole Diameter

100 Per Pack

Nominal Bundle Dia. (mm)	Clip Width (mm)	Order Code	Price Per Pack
3.2	9.6	**141-607202**	$3.63
4.8	9.6	**141-607302**	$3.82
6.35	10	**141-607402**	$4.21
7.9	10	**141-607502**	$4.46
12.7	12	**141-607702**	$6.30

Weather Resistant Cable Ties

70% OFF

- High quality, durable Black ties
- Specifically manufactured for use in outdoor environments
- Manufactured from nylon 6/6 with added carbonate A
- **UL** recognised (E97527)

100 Per Pack

Length (mm)	Width (mm)	Order Code	Price Per Pack 1+
142	2.5	**126-900102**	$2.63
142	3.6	**126-900602**	$4.87

Cable Ties

75% OFF

- One piece non-releasable cable ties manufactured in Natural

- Cable diameter: 52mm
- Length: 203mm
- Width: 4.6mm
- Flame retardant to **UL94V-2**

$4.48

ORDER CODE **141-604502**

Flex Cables

60% OFF

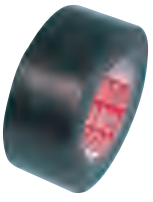
Flexible mains cable for internal use in the direct connection of equipment to mains power supplies.

- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown & Blue
- Manufactured to BS6500

100m Reel Colour	Conductor Area	Order Code	Price Per Reel 1+
White	0.5mm	**133-303402**	$40.74
Black	0.5mm	**133-303602**	$40.74
Grey	0.5mm	**133-303702**	$40.74
Black	0.75mm	**133-304102**	$55.06
Black	0.75mm	**133-305202**	$63.34
Grey	0.75mm	**133-305302**	$63.34
Black	0.75mm	**133-307202**	$68.75
Orange	0.75mm	**133-307502**	$68.75
Black	1mm	**133-307802**	$81.17
Black	1mm	**133-308702**	$121.91

Waterproof Cloth 'Gaffer' Tape

80% OFF



- Heavy duty, cloth backed adhesive tape with high tack adhesive for use where normal PVC tape would lose adhesion due to the ingress of water.
- Often used to fix cables to floor/walls etc. and for general repairs.
- Supplied on 50m rolls. 50mm wide.
- Shrink-wrapped for easy storage and display.

Description	Order Code	Price Per Roll 1+
Black	**816-976402**	$6.07
Silver	**816-977202**	$6.07

Braided Sleeving

- Super flexible monofilament polyester braid, which is both solvent and abrasion resistant.
- Working temperature range: -50°C up to +150°C

Order Code	Length (m)	Internal Diameter (mm)	Colour	Price +
129-721302	10	10	**Black**	$9.48
129-723002	5	20	**Black**	$9.21

pro-POWER

BROAD RANGE · GREAT VALUE · 24/5 SUPPORT · QUALITY ASSURED · Exclusive to element14

Tri-Rated Equipment Wire

- Conductor material: Copper
- Jacket material: PVC
- Min. bend radius: 6 x OD
- Voltage rating: 1kV
- Temperature rating: 105°C
- Supplied in 100m reels

Colour	Mftrs. List No.	Order Code	Price Per Reel
22AWG			
Purple	PP000720	**234-391802**	$15.84
Red	PP000721	**234-391902**	$15.84
White	PP000723	**234-392102**	$15.02
Blue	PP000728	**234-392602**	$15.02
20AWG			
Black	PP000729	**234-392802**	$21.30
Green, Yellow	PP000737	**234-393602**	$20.19
Orange	PP000739	**234-393802**	$21.30
18AWG			
Brown	PP000743	**234-394402**	$26.43
16AWG			
Red	PP000757	**234-395902**	$39.90
14AWG			
Black	PP000767	**234-397002**	$58.37

Cable Retention Grommets

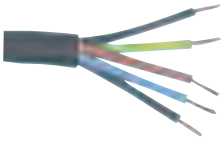
80% OFF

- Quick method of taking a cable through a bulkhead or panel - no tools required
- Low profile on front of panel/bulkhead, ideal for use in restricted places
- EPDM temperature range -30 to 130°C
- Seals to IP67
- Halogen-free EPDM (Grey)
- Metric and PG sizes

Mftrs. List No.	Mounting Hole Dia.	Order Code	Price Each
Metric			
1458235	20.5mm	**156-455702**	$0.48
1458236	25.5mm	**156-455802**	$0.65
1458237	32.5mm	**156-456102**	$1.00
1458220	13mm	**156-456402**	$0.16

PVC Insulated Mains Flex Cables

20% OFF



- 4 Core Plain Annealed Copper Wire
- Colour: Black
- Voltage rating: 300/500V
- Operating temperature: -15°C to +70°C
- Suitable for small, indoor electrical instruments or portable tools

Continuous Length in 1m Multiples		Price Per Metre
Conductor Area	Order Code	
4 core (Black)		
0.75mm²	**138-769202**	$1.32
1mm²	**138-769302**	$1.70

PVC Tinned Copper Wire

55% OFF

- Reel length: 100m
- Conductor Area: 1mm²
- Strand Diameter: 1.3mm
- External Diameter: 2.52mm
- Temperature Rating: -25 to 85°C
- Voltage Rating: 1.5kV

Colour	Order Code	Price per 100m reel
Black	**244-839802**	$32.66
Brown	**244-839902**	$32.66
Red	**244-840002**	$32.66
Orange	**244-840102**	$32.66
Yellow	**244-840202**	$32.66
Green	**244-840302**	$32.66
Blue	**244-840402**	$32.66
Violet	**244-840502**	$32.66
Grey	**244-840602**	$32.66
White	**244-840702**	$32.66
Green/Yellow	**244-840902**	$32.66

Cable Wrap

- Material: PP (Polypropylene)
- Colour: Black
- 5m length
- Internal diameter: 10mm

Fully flexible design for a range of applications including: Robotics, Medical Instrumentation, Harness Prototyping and Domestic.

$4.84

ORDER CODE **189-138002**

General Purpose Mini-Spools-3:1 Shrink Ratio

85% OFF

- Flexible coloured polyolefin tubing
- Good chemical and solvent resistance
- Excellent physical and electrical properties
- 3:1 shrink ratio
- Minimum shrink temperature 80°C
- Operating temperature -40°C to +135°C

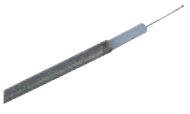
Mini-Spools Dia. (mm) Nom.	Shrunk	Spool Length (m)	Order Code	Price Per Spool 1+
3	1	10	**304-652702**	$7.08
6	2	7	**304-653902**	$6.53
12	4	4	**304-655202**	$6.03
18	6	3	**304-656402**	$6.47
24	8	3	**304-657602**	$6.59

Flat Ribbon Cable

- Flat flexible cable for use with FFC/ FCP range of connectors
- Reinforcing tape bonded to underside for cable to ensure easy and accurate insertion into the connector
- Overall reel length 210mm

No. of Conductors	Pitch Spacing (mm)	Order Code	Price +
10	0.5	**145-540102**	$2.69
6	1.25	**145-542002**	$2.80

Coaxial Cable RG405



Nominal outside diameter	2.17mm
Capacitance	98pF/m
Operating Voltage	2kVrms
Operating temperature	-65°C to 150°C
Attenuation per 100m	0.72dB @ 1GHz 2.67dB @ 10GHz

- 50Ω impedance
- TPC outer jacket
- Silver plated copper clad steel conductor
- Length: 1m

$6.62

ORDER CODE **238-185202**

Spiral Wrap

- Min Diameter: 7.5mm
- Max Diameter: 30mm
- Durable, reusable with retained spiral strength
- Fix ends of band with cable ties and spiral wire bundles

- Flexible construction encables bands to follow wire ways easily
- Expand spiral range almost without limit
- Supplied in 10m lengths

$6.74

ORDER CODE **141-608802**

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http://nz.element14.com/freight

Communication and Control Cable

AlphaWire

20% OFF

- UL2576 recognised, CSA PCC FT4
- 22AWG (7/0.25mm) tinned copper conductors
- Grey PVC jacket with colour coded PVC insulation
- Voltage rating 300V
- Operating temperature -20°C to +75°C
- 30.5m Reel

30.5m Reel

No. of Conductors	Outside Dia. (mm)	Order Code	Price Per Reel
4	4.8	123-559202	$74.31
6	5.46	123-559402	$100.09
8	5.6	123-559602	$118.42

4-Way Adhesive Backed Cable Tie Mounts

PANDUIT

35% OFF

- 2-up mount configuration speeds liner removal and installation
- 4-way cable tie entry makes part orientation fast and easy
- Adhesive backing allows routing of wires and cables where mounting holes cannot be drilled

Mftrs. List No.	Colour	Material		Order Code	Price Each
ABMM-A-Q	White	ABS	25 Per Pack	101-566902	$19.28
ABMM-A-C	White	ABS	100 Per Pack	101-566802	$38.56
ABMM-AT-C0	Black	Weather Resistant ABS	100 Per Pack	101-567102	$85.50

Rayrim™ Adhesive Panel Edging

TE connectivity

35% OFF

- Extruded edging strip internally coated with heat activated adhesive
- Heating changes profile from 'V' to a 'U' section
- Bonds to metal, wood or glass edges
- -55°C to 80°C operating temperature
- 1.2m length

$3.66

ORDER CODE 769-17402

'Helagaine' Braided Sleeving

HellermannTyton

90% OFF

- Colour Black
- Material Polyamide
- Operating Temperature -60°C to +150°C
- High Mechanical Protection and Resistance to Abrasion and Bending

Length	Int. Dia.	Order Code	Price Each +
25m	4mm	116-898502	$11.88
25m	6mm	116-898602	$16.20
25m	10mm	116-898702	$25.96

RNF-100 — 2:1 Shrink Ratio

TE connectivity

70% OFF

- Flexible coloured polyolefin tubing
- Available in 1.2m lengths and bulk spools
- Conforms to irregular shapes
- Excellent physical, chemical and electrical properties
- 2:1 shrink ratio
- Flame retardant (except Clear colour)
- **MIL-DTL-23053/5 Class 1&2, VG95353 Part 5B** and **DEF-STAN 59-97 Type 2B** approved
- Minimum shrink temperature +95°C
- Operating temperature -55°C to +135°C
- **UL (E35586), CSA (LR31929)** recognised

1.2m Lengths

Dia. (mm) Nom	Mftrs. List No.	Order Code	Price +
Black			
12.7	RNF-100-1/2-0-STK	121-035602	$3.06
19	RNF-100-3/4-0-STK	121-035702	$5.34
25.4	RNF-100-1-0-STK	121-035802	$5.23
Red			
2.4	RNF-100-3/32-2-STK	121-036602	$1.08
6.4	RNF-100-1/4-2-STK	121-036902	$2.90

K-Type™ Cable Markers

TE connectivity

50% OFF

- Cable diameter from 4mm to 10mm
- Large characters for easy reading
- Reel of 500
- Colour coding enables identification when mark is obscured

Description	Order Code	Price Per Pack 1+
3	127-227702	$32.20
6	127-228002	$32.20

Binding Sleeves 'Helsyn' Pack of 100

HellermannTyton

65% OFF

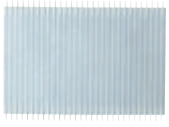
- Colour: Black
- Material: Polychloroprene
- Operating Temperature: -65 °C to +95 °C
- Approved to: BS G 198-1 T 1, Def-Stan 59-15 T D2a, 2b, 2c
- Conforms to: BS3858 T 1

100 Per Pack

Max. Length (mm)	Int Dia. (mm)	Mftrs. List No.	Order Code	Price Per 100 1+
20	1.2	H12X20 BLACK	116-901502	$3.16
20	1.5	H15X20 BLACK	116-901902	$3.53
20	1.5	H15X20 BLACK 500	116-891702	$13.95
20	2	H20X20 BLACK	116-902302	$3.77
25	5	H50X25 BLACK	116-903502	$7.21

Ribbon Cable

TE connectivity



55% OFF

- Complements existing Flexstrip
- Alternative insulation material, Nomex
- Used in areas where PTFE temperature spec. is not required
- May be installed using conventional soldering techniques

Length (A) mm	Length (A) in	Mftrs. List No.	Order Code	Price Each +
10 Way				
	4	FSN-24A-10	131-036002	$3.45
15 Way				
50.8	2	FSN-22A-15	131-036202	$2.74
20 Way				
	2	FSN-22A-20	131-036602	$3.22
	3	FSN-23A-20	131-036802	$4.02

Nylon Metric (Anti-Vibration) Cable Glands & Locknuts

TE connectivity

65% OFF

- Anti vibration cap
- Zero Halogen polyamide 6
- Neoprene seal
- Protection class to IP68/5 bar
- Temperature range: -30°C up to 80°C

	Order Code	Size	Price Each
Black			
	117-460702	M32	$2.64
White			
Grey			
	117-459402	M20	$1.60

CGAT Adhesive Lined Polyolefin Heat Shrinkable Tubing

TE connectivity

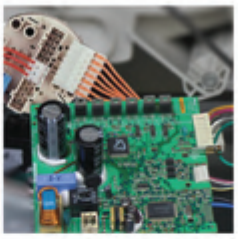
55% OFF

- High strength bonding
- Moisture proof
- Environmental sealing
- 3:1 Shrink ratio
- Minimum shrink temperature: +80°C
- Operating temperature range: -30 to +80°C
- Supplied in Rayspool® dispenser boxes
- Kit available consisting of 3,6,9,12,18 & 24mm boxes plus dispenser rack

	Nominal Diameter/Shrunk (mm)	Length (m)	Order Code	Price Each +
CGAT-R-12/4-0	12/4	2.5	121-059602	$39.32
CGAT-R-18/6-0	18/6	2	121-059702	$39.32
CGAT-R-24/8-0	24/8	1.5	121-059802	$49.55

All prices in NZD$ | GST exclusive

TE connectivity



2 Row Header Connectors

50% OFF

- Material: Copper Alloy
- Contact Plating: Gold
- Pitch Spacing: 2.5mm
- No. of rows: 2

No. of Contacts	Mftrs. List No.	Order Code	Price Each +
4	1-1827875-2	**244-239702**	$1.76
6	1-1827875-3	**244-239802**	$2.26
8	1-1827875-4	**244-239902**	$2.76
10	1-1827875-5	**244-240002**	$3.26
12	1-1827875-6	**244-240102**	$3.59
20	1-1827876-0	**244-240202**	$5.78

Tab Connector Housing

50% OFF

- Body Material: Glass Filled (PET) Polyester
- Pitch Spacing: 2.5mm
- For use with: Dynamic D-1000 Series Pin COntacts

No. of Positions	Mftrs. List No.	Order Code	Price Each +
2	1-1903129-2	**244-246502**	$0.43
8	1-1903130-4	**244-246702**	$0.95
4	1-1903131-2	**244-246902**	$0.72
6	1-1903131-3	**244-247002**	$0.84

Crimp Contact Socket

50% OFF

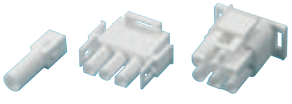
- Contact Material: Copper Alloy
- AWG Min/Max: 22/28 AWG
- Contact Plating: Gold
- For use with: Dynamic D-1000 Series Pin COntacts

$0.23

ORDER CODE **244-251102**

Universal MATE-N-LOK

55% OFF



- Panel or free mounting housings
- Single row or matrix pin layouts
- 6.35mm grid
- Approvals: **VDE, CSA, UL** recognised

Ways	Rows	Mftrs. List No.	Order Code	Price Each 1+
Plug Housing, UL94V-2				
	1	1-480698-0	**285-14602**	$0.37
3	1	1-480700-0	**285-15802**	$0.35
4	1	1-480702-0	**285-16002**	$0.37
	1	1-480763-0	**285-17102**	$0.49
	2	1-480704-0.	**285-18302**	$0.39
Receptacle (Cap) Housing, UL94V-2				
2	1	1-480699-0	**285-22502**	$0.17
3	1	1-480701-0	**285-23702**	$0.32
4	1	1-480703-0	**285-24902**	$0.32
	1	1-480764-0	**285-25002**	$0.55
PCB Pin Headers, UL94V-2				
2	1	350428-1	**285-30402**	$0.67
3	1	350429-1	**285-31602**	$0.72
4	1	350430-1	**285-32802**	$0.93
5	1	640466-1	**285-33002**	$1.63

MTE Interconnection System

40% OFF

Receptacle Assembly

- The AMPMODU MTE Interconnection System consists of single-row housings with contacts preloaded on 2.54mm centers.
- Housings are furnished with contacts partially inserted, leaving the termination areas exposed.
- The heart of the system is the insulation displacement contact design, featured in both pin and receptacle contacts.

No. of Ways	Mftrs. List No.	Order Code	Price Each +
Receptacle Assemblies - Strip Form Polarized/Latching - Single Row			
3	104257-2	**177-705202**	$0.81
4	104257-3	**177-705302**	$0.92
6	104257-5	**177-705502**	$0.64
Headers - Shrouded Polarized/Latching - Single Row			
3	5-104363-2	**177-705902**	$1.91
4	5-104363-3	**177-706002**	$1.66
5	5-104363-4	**177-706102**	$2.32

HTS Heavy-Duty Connectors

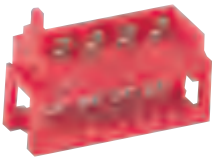
40% OFF

Pictured: 3way male insert screw

Description	Mftr List No.	Order Code	Price Each 1+
3 way + E male HA insert, screw terminal	1-1103400-1	**131-64702**	$15.24
3 way + E female HA insert, screw terminal	1-1103401-1	**131-69602**	$15.24
4 way + E male HA insert, screw terminal	1-1103402-1	**152-78002**	$9.05
4 way + E female HA insert, screw terminal	1-1103403-1	**152-79102**	$15.41
PG11 Top Entry Lever Hood	1-1102101-7	**131-76302**	$10.38
Size 1 Bottom Entry Housing	1-1102105-2	**131-94502**	$9.40

0.05" (1.27mm) Pitch Male-on-Wire

70% OFF



- Contact Plating: Tin
- Contact Termination Type: IDC / IDT
- Gender: Plug
- Product Range: Micro-MaTch Series
- Packaging: Cut tape

Ways	List No.	Order Code	Price Per Pack 1+
4	7-215083-4	**149-03202**	$1.18
6	7-215083-6	**149-06802**	$1.40
8	7-215083-8	**149-07002**	$1.62
10	8-215083-0	**149-08102**	$2.12
12	8-215083-2	**149-09302**	$2.77
16	8-215083-6	**149-14702**	$3.35
18	8-215083-8	**149-18402**	$1.16
20	9-215083-0	**149-25102**	$3.95

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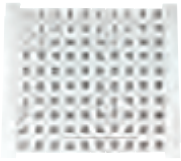
Marker Strips
(Horizontally Marked)

Weidmüller



30% OFF

Cards of marker strips, each card having five strips of 10 digits numbered consecutively from 1 through to 50. The markers are available in two different widths 5.0mm and 6.0mm.
Suitable for 32mm Asymmetric, 35mm symmetric or 15mm Miniature series Klippon terminals.

Material
White polyamide 6.6 with black print.

2 Cards Per Pack		Price Per Pack
Width	Order Code	1+
5	112-177202	$7.02
6	112-177302	$7.02

6.35mm (¼") Jack Plugs

NEUTRIK

45% OFF

X Series
- Slim, sleek, streamlined design
- No. of contacts: 2
- Traditional, Neutrik quality
- One piece engineered tip, no rivets

- Neutrik chuck principal strain relief
- New design rear cable gland

$4.27
ORDER CODE 831-453502

Ethercon Series Feed Through Connector

NEUTRIK

85% OFF

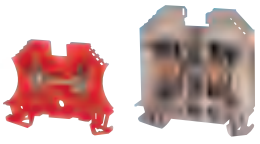
- Connector type: RJ45
- No. of contacts: 8
- Contact material: Bronze
- Gender: Receptacle

$14.51
ORDER CODE 120-203202

Terminal Blocks

Weidmüller

70% OFF



- Suitable for solid, stranded and flexible wires
- Screws are captive in moulding

- 'Conical' conductor guide entry to screw clamp
- Rated up to 750V
- 2.5mm terminals are available in a variety of colours for circuit colour coding
- Pre-assembled jumper bars available
- Low profile "N" type versions available

Type	Nominal Current	Pitch	Order Code	Price Each 1+
WDU 2.5Beige		5	113-177002	$1.06
WDU 2.5 BlueBlue		5.1	113-177202	$1.06
WDU 2.5 YellowYellow		5	113-177302	$1.08
WDU 2.5 OrangeOrange		5	113-177402	$1.08
WDU 2.5 RedRed		5.1	113-177502	$1.08
WDU 2.5 WhiteWhite		5	113-177602	$1.08
WDU 2.5 BlackBlack		5.1	113-177802	$1.08

Micro USB Receptacles

HRS

60% OFF

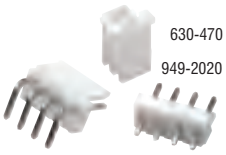
- Current Rating: 1A
- Voltage Rating: 30VAC
- Operating Temperature: -30°C to +85°C
- No. of Mating Cycles: 10,000
- Insulator: Synthetic Resin
- Contact Material: Copper Alloy
- Contact Plating: Selective Gold
- Shell Material: Copper Alloy
- Shell Plating: Tin Alloy

No. of Ways	Mftrs. List No.	Order Code	Price Each 1+
5	ZX62D-AB-5P8	230-043502	$1.03
5	ZX62D-B-5P8	230-043702	$1.07
5	ZX62D-B-5PA8	230-043802	$0.76
5	ZX62R-B-5P	230-043902	$1.03
5	ZX80-B-5P	230-044102	$1.43

Pin Headers and Sockets

JST

85% OFF



No of Ways	Mftrs. List No.	Order Code	Price Each 5+
Header - Top Entry			
2	B2P-VH(LF)(SN)	949-200302	$0.10
3	B3P-VH(LF)(SN)	949-201102	$0.15
4	B4P-VH(LF)(SN)	949-202002	$0.19
Housing			
2	VHR-2N	630-47002	$0.04
3	VHR-3N	630-48202	$0.05
4	VHR-4N	630-49402	$0.06

Adjacent Jumper

WAGO

85% OFF

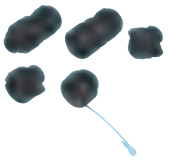
- Insulated adjacent jumper
- Suitable for through terminal blocks
- Push jumper down firmly until fully inserted

Nominal Current(A)	Mftrs. List No.	Order Code	Price Each +
24	280-402	128-345402	$0.52
41	282-402	128-345702	$0.76

Connectors for Mains Connection
CA-series

HIRSCHMANN

65% OFF



- Plastic screwlocking, suitable for process control and industrial application
- Sealed to **IP67**
- Approvals, **DIN**, **VDE**, **SEV** and **UL** Recognised

	Mftrs. List No.	Order Code	Price Each
Free Plug			
3 +Earth	CA3LS	361-185102	$7.08
6 +Earth	CA6LS	361-189902	$6.87
Free Socket			
3 +Earth	CA3LD	361-186302	$8.40
6 +Earth	CA6LD	361-190502	$9.35
Panel Plug			
3 +Earth	CA3GS	494-66502	$4.49
Panel Socket			
3 +Earth	CA3GD	494-68902	$5.28
Protective Cap			
Cover for panel plug	CA00SD2	494-70702	$3.91
Cover for panel socket	CA00SD4	494-71902	$3.91

XLR 4Pole Connectors

NEUTRIK

	No. of Poles	No. of Contacts	Cable Dia. Min.	Order Code	Price Each
Socket		4	2.8mm	250-78802	$8.22
Plug		4	2.8mm	250-81802	$5.48

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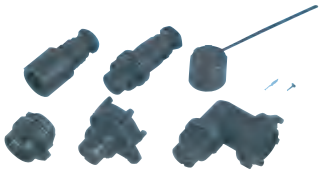
'Mini Buccaneer' Threaded Coupling 5A

bulgin



Slimline chassis body with 8 way socket carrier D (front panel) =23.5, Dia=26.9 max,

Chassis body with 3 way socket carrier D (front panel) =23.5, W=40.5 max.

Right angle chassis body with 8 way socket carrier D (front panel) =37.8, L=44.0

65% OFF

- Sealed to **IP68**
- Free body mates with either in-line or chassis bodies
- Gold plated machined contacts, solder bucket termination
- Five bodies which accepts 3 or 8 way pin or socket carriers, snap-fit
- 3 way screw terminals (pre-loaded) insert
- Polarising blanking pin for socket carriers

	Mftr. Part No.	Order Code	Price Each
Free	PX0800	**225-77002**	$5.55
Chassis (slimline)	PX0805	**240-32102**	$5.04
Chassis	PX0802	**225-79402**	$5.04
Right angle chassis	PX0803	**225-80002**	$5.32
Carrier Inserts			
8 way pin	12734/1	**225-82402**	$0.91
8 way socket	12735/1	**225-84802**	$0.95
Screw Terminal Inserts			
2 way plug	SA3320	**384-469902**	$7.54
2 way socket	SA3319	**384-468702**	$5.81
3 way plug	SA3230	**978-07302**	$6.14
3 way socket	SA3229	**978-06102**	$10.59
4 way plug	SA3241	**307-321002**	$7.59
4 way socket	SA3242	**307-322102**	$10.63
Contact Insertion Tool			
Pin	SA3148/1	**225-88502**	$3.41
Sockets	SA3149/1	**225-89702**	$5.45
Polarising/Blanking Pin	SA3147	**225-90302**	$1.36

MIL-C-5015 Connectors

multicomp

50% OFF

Shell Size	No. of Contacts	Insert Type	Order Code	Price Each +
Free Plug - Socket Contacts				
14S	4	14S-2	**177-859002**	$21.10
Free Plug - Pin Contacts				
14S	4	14S-2	**177-859402**	$18.52
Panel Mount Receptacle - Socket Contacts				
14S	4	14S-2	**177-859902**	$11.64

Push Pull Connector

HR10A Series

HRS

35% OFF

- Space saving
- Crimp wire termination
- Current rating: 2A
- Contact plating: Gold

The HR10A series connectors are push-pull coupling type micro-connectors. They offer light weight and assure high reliability and durability.

No. of Ways	Mftrs. List No.	Order Code	Price Each +
Shell size 7 - Plug with pin contacts			
6	HR10A-7P-6P(73)	**182-696902**	$21.34
Shell size 7 - Plug with socket contacts			
6	HR10A-7P-6S(73)	**182-697002**	$20.31
Shell size 7 - Receptacle with socket contacts			
6	HR10A-7R-6S(73)	**182-697302**	$9.16
Shell size 7 - Receptacle with pin contacts			
6	HR10A-7R-6P(73)	**182-697402**	$10.43
Shell size 10 - Plug with pin contacts			
12	HR10A-10P-12P(73)	**182-697502**	$21.61
Shell size 10 - Plug with socket contacts			
12	HR10A-10P-12S(73)	**182-697602**	$20.14
Shell size 10 - Receptacle with socket contacts			
10	HR10A-10R-10S(71)	**182-698302**	$10.56
Shell size 10 - Receptacle with socket contacts			
10	HR10A-10R-10P(73)	**182-698402**	$11.83

3 Pole Miniature Outlet 3A

bulgin

313-944 L=72, Dia=24.1

313-956 L=30, Dia=24

Miniature mains connectors for power take-off applications.

313-944 Solder terminations cord grip and strain relief.
313-956 Solder terminations.

	Order Code	Price Each 1+
Free Plug	**313-94402**	$6.08
Panel Socket	**313-95602**	$4.60

'Mini Buccaneer' Series

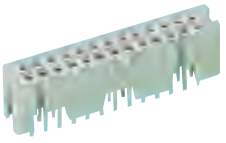
bulgin

	Order Code	Price Each
Carrier Inserts		
BNC 50Ω Plug	**384-920002**	$10.54
BNC 50Ω Socket	**384-921102**	$10.54

Boardmount Sockets

Class II

3M



20% OFF

- For board to board applications
- Mates with Male PCB Mounting Headers

No. of Ways	Mftrs. List No.	Order Code	Price Each 1+
10.8mm High			
10	8510-4500PL	**913-862502**	$3.89
16	8516-4500PL	**913-863302**	$5.24
26	8526-4500PL	**913-865002**	$5.63

Solenoid Connectors

HIRSCHMANN

55% OFF

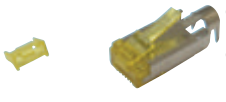
- For use with solenoid, pneumatic and hydraulic valves
- Can be incorporated into pressure transducers, level sensors, limit switches etc.
- Conforming to **DIN EN 175 301-803 A,B, or C** and manufactured to **SEV, UR CSA and DSRK. UL** Recognised
- Sealed to **IP65**

Number of pins	Mftrs. List No.	Order Code	Price Each +
Free Plug, DIN EN 175 301-803-A			
3 + earth, , Black	GDM3009.BLACK	**121-530002**	$2.05
3 + earth, PG9, Grey	GDM3009.GREY	**121-530102**	$2.67
3 + earth, PG11, Black	GDM3011.BLACK	**121-530202**	$2.02
3 + earth, PG11, Grey	GDM3011.GREY	**121-530302**	$2.02

Shielded CAT6a RJ45 Modular Plug

TM31 Series

HRS



70% OFF

- Plug design satisfying CAT6a performance
- Wire guide plate helps to provide a simple and quick assembly process
- Steady cable assembly procedure
- 24-27 AWG stranded PIMP cable is applicable
- IDC and clamping process can be implemented by same specific tool (p/n 412-7626)

Specifications:-

Current Rating	1A	Voltage Rating	125VAC
Contact Material	Phosphor Bronze	Contact Plating	Gold
LAN Type	Cat6a	Shell Material	Stainless Steel
Operating Temp.	-25°C to 60°C		

Description	Mftrs. List No.	Order Code	Price Each 5+
Plug	TM31P-TM-88P(01)	**171-911202**	$1.59
Guide Plate	TM31P-TM-88P(02)	**171-911302**	$0.34

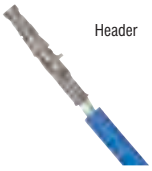
molex®

Mega-Fit Housing Connectors

5.7mm Pitch

60% OFF

Free Receptacle



Header

Header

Receptacle/ No. of ways	Order Code	Price Each +
2	238-317502	$1.00
4	238-317602	$1.08
6	238-317702	$1.56
8	238-317802	$1.69
10	238-317902	$2.21
Header/ No. of Contacts		
2	238-319202	$3.20
4	238-319302	$4.38
6	238-319402	$6.14
8	238-319502	$7.49
10	238-319702	$8.94
Crimp Terminal		
16-14AWG	238-318902	$0.95
12AWG	238-319102	$0.62

Wire to Card Edge Housing & Contacts

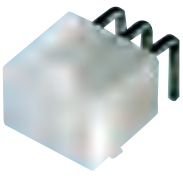
EdgeMate 3.96 mm

60% OFF

No. of Ways	Mftrs. List No.	Order Code	Price Each 10+
Receptacle Housing			
2	172159-0502	245-425002	$0.24
3	172159-0503	245-425102	$0.30
4	172159-0604	245-425202	$0.38
5	172159-0605	245-425302	$0.45
6	172159-0606	245-425402	$0.54
7	172159-0607	245-425502	$0.72
8	172159-0608	245-425602	$0.72
9	172159-0609	245-425702	$0.79
10	172159-0610	245-425802	$0.87
11	172159-0611	245-425902	$0.96
12	172159-0612	245-426002	$1.05
Crimp Sockets			
18 - 20 AWG	172160-1803	245-429102	$0.09
18 - 20 AWG	172160-1805	245-429302	$0.17

Mini-Fit Jr.™ Double Row Headers with Mounting Pegs

70% OFF



- Peg-mounted for increased board retention
- Low profile for space constraints
- Positive housing locks
- Fully isolated terminals to protect contacts from damage
- Mates with : 5557 dual row receptacle

4.20mm Pitch

No. of Ways	Order Code	Price Each +
2	996-336702	$0.60
4	996-337502	$0.57
6	996-338302	$0.93
8	996-339102	$1.11

Crimp Terminals for Mini-Fit Jr.™ Single & Double Row Housings

85% OFF

Pin

Socket

Material: Brass
Plating: Tin

100 Per Pack

	AWG	Wire Size	Insulation	Order Code	Price Per Pack +
Pin	24-18	0.24-0.82	1.3-3.1	101-216802	$21.14
Socket	24-18	0.24-0.82	1.3-3.1	973-219502	$11.19

KK® Crimp Terminal Housing (with Locking Ramp)

2.54mm Pitch

85% OFF

Crimp Housing

No of Ways	Order Code	Price Each
2	143-12602	$0.10
3	143-12702	$0.13
4	143-12802	$0.14
5	146-25602	$0.17
6	143-12902	$0.20

Polarizing Pin

- For use with : KK Series 2.54mm Housing
- Pack of 100

$10.02

ORDER CODE 101-309502

KK® Crimp Terminal

85% OFF

Wire Size mm²	AWG	Insulation Diameter	Engineering No.	Mftrs. List No.
0.055-0.336	30-22	0.062-1.57	4809	08-50-0032

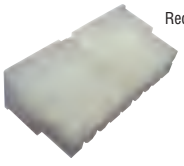
Pack Quantity	Order Code	Price Per Pack
100	977-378902	$8.15

Micro-Fit Jr.™ Double Row Crimp Housings & PCB Plugs

4.20mm Pitch

85% OFF

Free Receptacle



No. of ways	Order Code	Price Each +
2	151-86602	$0.09
4	151-86702	$0.14
6	151-86802	$0.15
8	151-86902	$0.22
10	151-87002	$0.19

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http://nz.element14.com/molex

Littelfuse®

Solar Rated Midget Fuse

SPF Series

90% OFF

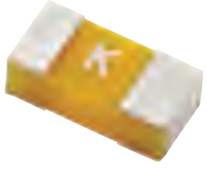
- 1,000V dc Rated
- 20,000 kA interrupting rating
- **UL** Recognised

Body - Length = 38.1,
Diameter = 10.31mm

Rating	Mftrs. List No.	Order Code	Price Each +
3A	0SPF003.T.TA000	**181-839402**	$7.28
4A	0SPF004.T.TA000	**181-839502**	$7.28
5A	0SPF005.T.TA000	**181-839602**	$7.28
12A	0SPF012.T.TA000	**181-840102**	$7.28
15A	0SPF015.T.TA000	**181-840202**	$7.28
25A	0SPF025.T.TA000	**181-840302**	$7.28
30A	0SPF030.T.TA000	**181-840402**	$7.28

470 Series Fast Acting Fuse

25% OFF



- Blow characteristics: Fast acting
- 125V voltage rating
- Very small 1206 footprint
- Wide operating temperature range of -55°C to 125°C

Mftr. Part No.	Fuse Current	Order Code	+
0470.500DRmA	500	**247-856702**	$1.71
0470001.DRA	1	**247-856802**	$1.71
04701.25DRA	1.25	**247-856902**	$1.71
047001.5DRA	1.5	**247-857002**	$1.71
047001.6DRA	1.6	**247-857102**	$1.71
0470002.DRA	2	**247-857202**	$1.71

100 Pc Fuse Kit

10% OFF

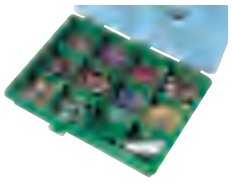
- Selection kit containing popular values of the ATO series, fast acting blade style automotive fuses. Complete with complementary fuse puller.
- Voltage rating: 32V

$45.48

ORDER CODE **117-517602**

100 Pc Mini Fuse Kit

10% OFF



- Selection kit containing popular values of the Mini blade series, fast acting blade style automotive fuses. Complete with complementary fuse puller.
- Voltage rating: 32V

$51.17

ORDER CODE **994-378102**

High Performance Fast Acting - 10.3 x 38mm

20% OFF

- FLU Series
- Designed for the protection of multimeters
- the 1000 VAC/VDC rating also makes the FLU ideal for a variety of other applications

Rating	Mftrs. List No.	Order Code	Price Each 1+
11A	0FLU011.T.TA000	**994-334002**	$62.54
440mA	0FLU.440T.TA000	**994-333102**	$62.54

Wire leads Fuseholder

20% OFF

- In-line fuseholders suitable for use with automotive blade type fuses.
- Fuse current: 20A
- Fuse size held: ATO
- No. of fuses: 1

$7.96

ORDER CODE **994-338202**

Panel Mount Fuseholder

20% OFF

- Holder terminals: Wire leaded
- Fuse holder type: Cartridge fuse holder
- Fuse current: 20A
- Fuse size held: ATO
- No. of fuses: 1

$4.55

ORDER CODE **994-310202**

In Line Fuseholder

- Fuse Current: 30A
- Fuse Holder Type: Automotive Blade Fuse Holder
- Fuse Size Held: ATO
- Holder Terminals: Wire Leaded
- No. of Fuses: 1
- Voltage Rating V AC: 32V

$5.18

ORDER CODE **151-510102**

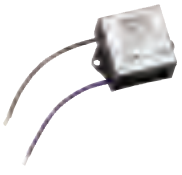
Transient Volt Varistor Module

- Product Range: LSP10 Series
- Maximum Discharge Current, 10kA, 8/20us
- Parallel connected SPD device

Mftr. Part No.	Order Code	Price Each +
LSP10240P	**245-226602**	$45.48
LSP10240S	**245-226702**	$47.75

LSP10 Series Surge Protector

15% OFF



- No. of outlets: 1
- Voltage rating: 277V

Mftr. Part No.	Order Code	Price Each +
LSP10277PX3316	**246-944702**	$25.01
LSP10277PX3333	**246-944602**	$25.01

Get a FREE copy of our complete catalogue with your next order!

Over 600,000 products you need from brands you trust.

Order code 8951446

http://nz.element14.com/littelfuse

Standard Light Duty

3A @ 240V ac

herga

55% OFF

- Light duty with heavy gauge pressed steel base and cover
- Non-slip base and foot pad
- SPDT contacts, either momentary or latching (press-on/press-off)
- Provided with 2 metres cable

H=20 (max), W=63, L=89

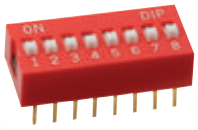
	Order Code	Price Each
Momentary	422-94002	$34.10
Latching	422-95202	$44.20

SPST DIL Switch

100mA @ 50V dc

multicomp

25% OFF



- Gold plated contacts and terminals, single throw
- Suitable for most cleaning and soldering processes
- Switch Actuator Style: Slide

No. of Ways	Length	Mftrs. List No.	Order Code	Price Each
Top Actuated				
8	21.68	MCNDS-08-V	947-159602	$4.54

Hall-Effect Gear Tooth Sensor

Honeywell

20% OFF

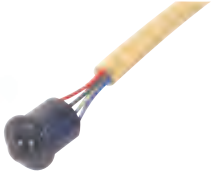
- Senses ferrous metal targets
- Digital current sinking output (open collector)
- Fast operating speed - over 100 kHz
- EMI resitant

$63.93

ORDER CODE 122-563002

Liquid Level Sensor

Honeywell



- Body Material: PSU
- Output Current: 10mA
- Pressure Max: 5bar
- Sensor output1: Digital
- Supply Voltage DC Max: 12V

$56.62

ORDER CODE 147-057502

Push Button Control Station

multicomp

60% OFF

- Complete plastic control station
- 10A Thermal current rated
- Twist Release
- +1 normally closed contact

H = 51, W = 68, D = 74mm (Base)

$18.31

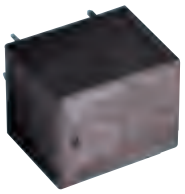
ORDER CODE 171-904502

10A PCB Relays

G5LA Series

OMRON AUTOMATION & SAFETY

65% OFF



- Small size and light weight
- Dielectric strength 2000V
- Withstand impulse voltage 4500V
- **VDE** and **CQC** Approved, **UL** Recognised

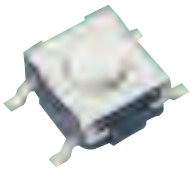
H = 15.6, W = 19.6, D = 15.6mm

COIL Volts	COIL Ω	Mftrs. List No.	Order Code	Price Each +
SPDT - G5LA-1 Series - Flux protection				
5V	69.4	G5LA-1 5DC	145-550202	$0.81
12V	400	G5LA-1 12DC	145-550402	$0.81
24V	1.6	G5LA-1 24DC	145-550502	$0.81

SPNO B3S Series - Sealed

OMRON AUTOMATION & SAFETY

45% OFF



- Surface mount version of Omron B3W keyswitch
- Sealed construction, suitable for PCB immersion cleaning
- General purpose and high force actuation versions available

Flat plunger H (max) = 4.3

Mftrs. List No.	Operating Force	Order Code	Price Each +
Without Ground Terminals			
B3S-1000	1.57N	177-80702 RL	$1.13
B3SN-3112	1.57N	990-203102 RL	$1.39

PCB Relay- G2R Series

OMRON AUTOMATION & SAFETY

25% OFF

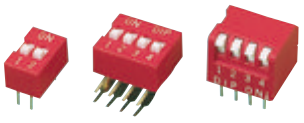
- Coil resistance: 170ohm
- Coil type: Non latching
- Coil voltage: 12VDC
- Contact current: 5A

$6.20

ORDER CODE 994-945302

DS and DP Series

multicomp



- Gold plated contacts and terminals, single throw
- Suitable for most cleaning and soldering processes
- Choice of top actuators or 'piano key' actuators

It is recommended to solder switches in the 'off' factory supplied position

No. of Ways	Length	Mftrs. List No.	Order Code	Price Each +
Top Actuated				
3	8.98	MCNDS-03-V	125-522302	$3.17
4	11.52	MCNDS-04-V	947-157002	$5.63
5	14.06	MCNDS-05-V	125-522502	$1.31
6	16.6	MCNDS-06-V	947-158802	$2.26
7	19.14	MCNDS-07-V	125-522602	$1.11
8	21.68	MCNDS-08-V	947-159602	$4.54
10	26.76	MCNDS-10-V	947-213402	$1.93
12	32.00	MCNDS-12-V	947-214202	$3.98

20/30 Watt AC/DC Power Supplies

iP IDEALPOWER

20% OFF

- Earthed output
- Short circuit protected
- Over voltage Protection
- Operating Temperature: 0°C to 40°C
- Input voltage: 100V to 240=V ac
- Fixed 2.1x5.5x12mm +ve centre connector
- 3 Pin (C14) input inlet

Output Power Max.	Mftrs. List No.	Order Code	Price Each 1+
20W	25HK-AB-050A400-D5-1	233-461202	$49.87
30W	25HK-AB-120A250-D5-FR	233-460902	$49.87
30W	25HK-AB-120A250-CP	233-460502	$36.38

Horizontal Float Switch

Gentech International

25% OFF

- Specific Gravity to 0.65
- Temperature range to 130°C
- Suitable for a wide range of liquids
- Level rise or fall sensing (rotate housing 180)
- International Standards Approvals and recognition (UL, WRC, EN)
- Repeatability and reliability due to Reed Switch characteristics

Float dia = 17.3
Mounting hole dia = (16.5 internal, 23 external fitting)

$28.31

ORDER CODE 100-678002

All prices in NZD$ | GST exclusive

SPST Rocker Switch

arcolectric

- Actuator: Black
- Contact current Max: 15A
- Contact Voltage AC Nom: 277V
- Switch mounting: Panel
- Switch operation: off-on

20% OFF

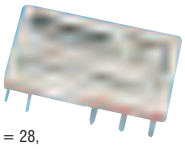
$1.84

ORDER CODE 389-99702

6A Ultra-slim

34 Series

finder



- Ultra slim, only 5mm wide
- Sensitive DC coil (170mW)
- 6kV insulation between coil and contacts
- 6A @ 250V ac contact rating
- SPCO contact arrangement
- 0.17 mW power lost/coil consumption

15% OFF

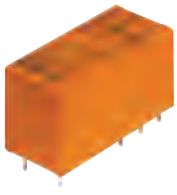
L = 28,
W = 5,
H = 15 mm

$11.82

ORDER CODE 116-934002

8A PCB Relay

TE connectivity



- Fully sealed construction
- Cadmium-free contact material
- **IP20** protected terminals
- Coil Voltage: 12VDC
- Sensitive coil 400mW(250mW high sensitivity)

15% OFF

Relay: L=29, W=12.7, H=15.7mm
Socket: L=75.5, W=15.5, H (overall, incl. ejector)=60mm

$3.35

ORDER CODE 162-905302

KA Series Thermocouple Sensor

TME

K type fine wire thermocouple sensors in a choice of temperature ranges.

- PTFE fine wire sensors for KA01
- Sensing temperature: -50°C to +250°C
- Lead length: 1m

30% OFF

- Moulded thermocouple miniature connector

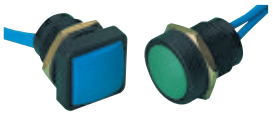
$22.51

ORDER CODE 492-097102

SPNO Momentary - 49-59 Series

0.4A @ 32V ac, 'Sealed'

ITW Switches
Sensors, Switches, Electronic Controls



- Industry standard 16mm cut-out
- Gold contacts, suitable for logic switching
- 500mm lead termination

35% OFF

L=23.8, Bezel=19.8 x 19.8
L=23.1, Bezel dia.=19.8

Contact rating (resistive)	0.4A @ 32V dc @ 50V dc 0.125A @ ac	Dielectric strength	1000V ac
Contact resistance	60mR max. (incl. leads)	Insulation resistance	MR
Contacts	-9991000V	Electrical life @ 20°C	500000 ops
		Mechanical life	1000000 ops
		Operating temperature	-55°C to +105°C

Colour	Mftrs. List No.	Order Code	Price Each 1+
Black	49-59111	**734-07002**	$16.94
Red	49-59112	**734-08102**	$16.94
Green	49-59113	**734-09302**	$16.94
Yellow	49-59115	**734-11102**	$16.94

40mm Red Pushbutton Head

Schneider Electric

- Emergency stop: trigger action, colour red
- Turn to release or key release
- **IP65** panel mount protection

$55.49

ORDER CODE 372-834102

Contact Bodies - ZB4

Schneider Electric

- Complete bodies (Fixing collar and contact block)
- Screw clamp terminals
- Easy and rapid assembly
- Up to 9 contacts can be fitted
- Colour coded for NO and NC

70% OFF

Description of Body	Mftrs. List No.	Order Code	Price Each 1+
Mounting Collar + 1NO Contact	ZB4BZ101	**305-297702**	$24.10
Mounting Collar + 1NC Contact	ZB4BZ102	**305-298902**	$27.86
Mounting Collar + 2NC Contacts	ZB4BZ104	**373-023202**	$39.91
Additional NO Contact	ZBE101	**305-299002**	$5.42
Additional NC Contact	ZBE102	**305-300302**	$14.33
Body Fixing Collar	ZB4BZ009	**373-021902**	$8.87

Wall Mounted Enclosure

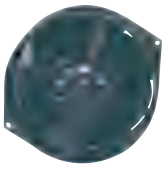
Schneider Electric

- Steel enclosure with polyurethane door seal
- 400 x 400 x 200mm
- One piece folded and welded body, double plate thickness gutter shaped front profile and flat rear panel
- Supplied complete with steel door and chassis plate
- Finished in grey polyester paint
- IP66 rated
- Reversible doors

Protective Boot with Integrated Tilt Bar Colour	Mftrs. List No.	Order Code	Price Each +
Grey	NSYS3D4420P	**185-366802**	$238.77
Accessory			
Locking Handle	NSYAEDL1242S3D	**185-368102**	$15.16

150mm Efficient, low noise fans

ebmpapst



Dia=150mm, D=55mm, Width=172mm
Mounting Holes=162mm
Cut-out ∅=147
Fix. Centres=162 x 4.5

40% OFF

- Thermally protected shaded pole motor.
- **VDE** approved, **UL** recognised, **CSA** certified
- Fitted with ball bearings.

Voltage	Noise dBA@1m	Power Watts	Order Code	Price Each
AC	53	38	**959-989402**	$79.36
AC	49	39	**959-990802**	$101.06
	53	38	**142-671902**	$158.03
	62	47	**151-129502**	$153.50
230/AC	46	19	**959-971102**	$63.43

Round, Panel Mount - R13 Series

arcolectric

- Attractive circular rocker design
- Choice of red and green illuminated, black and white non-illuminated and red spot illuminated
- Non-illuminated versions printed with I/O marking (except momentary version)
- Single and double pole configurations
- Snap fixing into panel thickness ≤3mm
- Approvals include **VDE, SEV, DEMKO, NEMKO, SETI** and **CSA**. **UL** recognised

40% OFF

Panel Cut-out=20.2, Bezel=23 dia.

Contact Configuration	Order Code	Price Each 1+
Non-Illuminated Switch - 250V ac @ 6A		
SPST	**186-76402**	$2.39
SPST	**767-406602**	$2.43
DPST	**767-409002**	$3.30
Illuminated - 250V ac @ 6A		
SPST Red	**186-77602**	$3.30
SPST Green	**767-407402**	$5.06
DPST Red	**767-410402**	$5.06
LED Illuminated - 12/24V dc @ 10A		
SPST	**396-678102**	$7.05

Electromechanical

All prices in NZD$ | GST exclusive

RoHS ● Compliant ▲ Non-compliant

SZL-VL-S Series Limit Switches

Honeywell

45% OFF

- Designed for applications of small mounting space
- Improved 10A current capacity
- SPDT contact with positive opening of NC contacts

Actuator	Mftrs List No.	Order Code	Price Each
Coil Spring	SZL-VL-S-F	152-499302	$19.78
Side Rotary Adjustable Lever	SZL-VL-S-J	152-499702	$22.51

Low Cost DC Motors

multicomp

60% OFF

High Speed — Medium Torque — High Torque

Operating voltage Range (V dc)	1.5 to 3	1.5 to 4.5	2.4 to 4.5
Nominal voltage (V dc)	**1.5/3**	**1.5/3**	**3**
No load Speed (RPM)	8700/16300	3000/6800	9600
Direction of rotation	Anti-clockwise	Clockwise	Clockwise
Current (A)	0.3/0.38	0.08/0.11	0.22

Description	Mftrs. List No.	Weight (g)	Body Diameter	Order Code	Price Each
High Speed	MM10	17	20.1	599-10402	$2.22
Medium Torque	MM18	28	23.8	599-11602	$3.18
High Torque	MM28	42	23.8	599-12802	$3.30

Piezo Sirens

6V to 12V

pro-SIGNAL

35% OFF

A range of powerful piezo electric sirens producing rapid rising and falling tones, ideal for intruder and automotive alarm systems.

- Very high sound level output
- Colour coded leaded connections
- Integral adjustable mounting bracket

Mftrs. List No.	Sound Level (dB)	Current (mA)	Sound lvl @ 1M	Order Code	Price Each
S130	105	160	105	676-55002	$7.50
555	115	350	115	676-56102	$27.97
W19	120	350	120	676-57302	$9.96

Miniature, Panel Mounting

5A@120V ac/28V dc, 2A@250V ac

multicomp

85% OFF

H=12.7, W=6.9

- Silver plated copper contacts
- Solder tag connections
- **UL** Recognised

Electrical life	40000 ops.
Contact resistance	<10mohm @ 4V, 100mA
Operating temperature	-30°C to +85°C
Bush thread	14/4-40 UNS-2A
Lever length	

Panel cut out=6.35

	Mftrs. List No.	Order Code	Price Each
SPDT On-On	1MS1T1B5M1QE	947-337802	$1.25
SPDT On-Off-On	1MS3T1B5M1QE	947-338602	$1.25
SPDT On-(On)	1MS2T1B5M1QE	155-017802	$1.25
SPDT (On)-Off-(On)	1MS4T1B5M1QE	155-017902	$2.05
SPDT On-Off-(On)	1MS5T1B5M1QE	155-018002	$1.59
DPDT On-On	1MD1T1B5M1QE	947-339402	$1.19
DPDT On-Off-On	1MD3T1B5M1QE	947-340802	$1.23
DPDT On-On-On	1MD6T1B5M1QE	155-018502	$2.50
3PDT On-None-On	1M31T1B5M1QE	155-018702	$2.10
4PDT On-None-On	1M41T1B5M1QE	155-019202	$3.07
4PDT On-Off-On	1M43T1B5M1QE	155-019402	$3.18
4PDT On-On-On	1M46T1B5M1QE	155-019702	$4.43

Moving Coil Meter

multicomp

35% OFF

- Meter function: DC Current
- Meter range: 0μA to 100μA
- 81 x 81mm

$22.17

ORDER CODE 443-393202

100 Series Hand Held LCD Enclosures

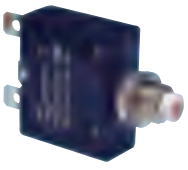
35% OFF

- ABS enclosures with 2 x AA, 4 x AA, PP3 and no battery option
- Recessed area on top surface for membrane keypads
- Standard LCD windows for 2 x 16 and 2" LC modules
- Innovative boot improves durability and protects against damage
- Integrated tilt bar creates optimal viewing angle and keypad accessibility

Protective Boot with Integrated Tilt Bar Colour	Mftrs. List No.	Order Code	Price Each +
100 Series Cases			
Bone	101-42-4A-R-BO	495-269802	$22.06
Bone	101-42-9V-R-BO	495-270402	$19.91
Black	101-42-4A-R-BL	495-273002	$28.77

Thermal Circuit Breaker

TE



- Cannot be manually tripped
- Button extends for visual trip indication
- Push button to reset breaker
- Current rating: 5A

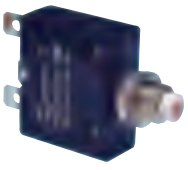
$4.53

ORDER CODE 965-912902

W54 Series Circuit Breakers

TE

50% OFF



- 5 to 40 amp ratings.
- Cannot be manually tripped.
- Button extends for visual trip indication.
- Push button to reset breaker.
- Numerous mounting and termination options

Description	Order Code	Price Each
5A	965-912902	$4.53
10A	965-913702	$4.02
15A	965-914502	$4.37
20A	965-915302	$3.92
30A	965-916102	$4.59

3 Digit, Easy Mount, 2-Wire Voltmeter

EMV1200-40

LASCAR

50% OFF

- 3 Digit LCD Meter
- 4 to 40V Full Scale Reading
- Signal Powered
- Single, Round Hole Mounting

H=21.4, W=43.5, D=9mm
Fixing Hole = 5.5mm

$55.58

ORDER CODE 121-631802

Process Sounders

Askari Panel

Fulleon

25% OFF

- Single nut fixing ensures simple installation and maximum audibility
- High IP rating allows installation in most process and industrial environments
- 32 tones
- Second tone for two stage alarms

Mftrs. List No.	Output (dB, A)	Current Consumption	Operating Temp. Range	Order Code	Price Each
AP/R/SWITCHED/VC	92	18		146-651502	$39.80
AP/W/SWITCHED/VC	92	18	-25°C to +70°C	146-651602	$37.52

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http://nz.element14.com/freight

All prices in NZD$ | GST exclusive

BeagleBone & Accessories

BeagleBone Black 4G Cortex Dev Board

- USB client for power and communications
- 2 x 46 pin headers
- USB host
- Ethernet and HDMI interface
- 512MB DDR3 RAM
- 4GB 8bit eMMC on board flash storage
- Optional on board 20 pin CTI JTAG, serial header

$66.51

Order Code: 242-222802

BeagleBone Black Enclosures

Colour	Order Code	Price
Blue	235-633102	$7.85
Black	235-633002	$7.85
Grey	235-632902	$7.85

Beaglebone Mikrobus Cape

The BeagleBone mikroBUS Cape allows users to connect up to 4 MikroElektronika Click boards to the BeagleBone and BeagleBone Black host platforms.

$16.47

Order Code: 248-096002

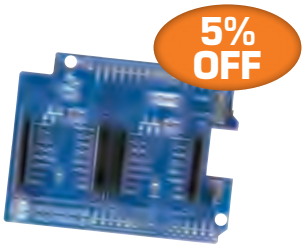
USB WiFi Dongle

High performance and cost effective WLAN USB module which connects your development platform to a wireless local area network.

$16.33

Order Code: 243-798102

Arduino Uno Shield



- Mftr Part No. MIKROE-1581
- For use with: Arduino UNO boards
- Features: 2x MikroBUS sockets, shield designed to stay within dimensions of Arduino Boards
- Silicon core number: ATmega328

$10.01

Order Code: 243-145002

Logi-Bone 2 Dev Board

- Plug and play interface for the Beaglebone
- Spartan6 XC6SLX9 FPGA
- 32 FPGA IO through PMOD and Arduino headers
- 1x Arduino Header supporting 200+ Arduino Shield modules

$126.59

Order Code: 246-695302

BB View Cape

Features:

- 7" or 4.3" LCD display
- Portable LCD solution for the BeagleBone family
- With touchscreen capability
- Powered directly without external power supply

Description	Order Code	Price Each
7" LCD Display Cape	236-475702	$137.58
4.3" LCD Display Cape	236-475602	$110.29

Infrared Thermo Click Accessory Board

An accessory board in mikroBUS form factor. features MAX31855K thermocouple-to-digital converter as well as PCC-SMP connector for K-type thermocouple probes. The Thermo Click communicates with target board via SPI interface (read-only), and it has a LED diode (GREEN) that indicates the presence of power supply. Designed to use 3.3V power supply only.

$38.66

Order Code: 243-144302

SHT11 Environmental Sensor Click Board

- Mftr Part No. MIKROE-949
- An accessory board in microbus form factor.
- It includes a digital humidity and temperature sensor SHT11. A unique capacitive sensor element is used to measure relative humidity while the temperature is measured by a band-gap sensor.

$34.68

Order Code: 243-144402

Mikroe ADC Click Accessory Board

For use with data acquisition, instrumentation & measurement platform boards

- 12bit ADC MCP3204
- 4 Input Channels
- Low power consumption 500nA

$32.01

Order Code: 243-143902

Learn more at **www.element14.com/beaglebone**

Raspberry Pi

Logi-Pi 2 FPGA Development Board

5% OFF

- Adds FPGA flexiblity and capability that allows the Raspberry Pi to be easily morphed into endless digital applications
- PMOD Compatible headers
- Length tuned for GPMC
- Silicon family name: Spartan-6

$126.59

Order Code: 246-695202

PiView - HDMI to VGA Adaptor

5% OFF

Simple device design in the form of a small adaptor with integrated VGA socket output, with short cable complete with HDMI plug for connection to the HDMI socket on Raspberry Pi.

$22.38

Order Code: 213-389902

WiFi Dongle with Drivers

5% OFF

Wi-Pi is a high performance, cost effective WLAN USB module which connects the Raspberry Pi low cost computer, to a Wi-Fi local area network.

$10.05

Order Code: 213-390002

Raspberry Pi Model B+ Enclosures

35% OFF

Case features an easy snap fit design with cut outs for all hardware features.

Colour	Order Code	Price
Black	242-674502	$7.39
Clear	242-674402	$7.39
White	244-537002	$7.39

Raspberry Pi Camera Board (Pi2/B+ Compatible)

15% OFF

- 5 megapixel native resolution sensor
- Supports 1080p, 720p and 640x480p video
- Camera is supported in the latest version of Raspbian, Raspberry Pi's preferred operating system
- 25mm x 20mm x 9mm Footprint

$37.63

Order Code: 230-227902

GertDuino

5% OFF

- Raspberry Pi add-on board which offers the same functionality as an Arduino-Uno but with some extra features
- GertDuino offers onboard Atmega 328 shield hosting which will execute Atmega 328 code written and compiled on the Raspberry Pi

$34.56

Order Code: 234-446002

Gertbot

5% OFF

- Robotics board for Raspberry Pi
- Can control either two DC motors, or four stepper motors
- All software has been written and provided

$78.20

Order Code: 245-218902

Cirrus Audio Card

5% OFF

- The Cirrus Logic Audio Card brings all the features found on the previous version from Wolfson Microelectronics to the Raspberry Pi B+
- It offers a similar flexibility to a PC soundcard to capture audio alongside their camera, and experiment with stereo digital capture and playback
- Capable of rendering HD Audio, at 24-bit, 192kHz

$48.32

Order Code: 244-831202

Microstack Base Board

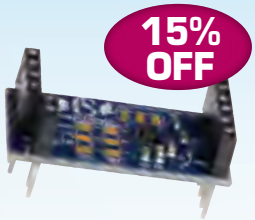
5% OFF

- Adapter baseboard for Raspberry Pi
- For use with microstack family of products
- Suitable for Raspberry Pi A / B / B+

$15.38

Order Code: 243-422702

Microstack Accelerometer



15% OFF

- 3 Axis Accelerometer
- Suitable for Raspberry Pi A / B / B+

$12.19

Order Code: 243-422902

Microstack GPS

5% OFF

- GPS Module with on-board antenna
- Suitable for Raspberry Pi A / B / B+

$30.77

Order Code: 243-422802

Microstack Protoboard

20% OFF

- PCB Board and 6 headers to be soldered
- 2 x 2 way headers, 2 x 4 way headers & 2 x 6 way headers
- Suitable for Raspberry Pi A / B / B+

$6.89

Order Code: 244-546502

Explore NFC Expansion Board for Raspberry Pi B+

- High performance NFC compliant expansion board for Raspberry Pi B+
- Board features an integrated high performance antenna and offers a flexible SPI interface

$27.61

Order Code: 244-569002

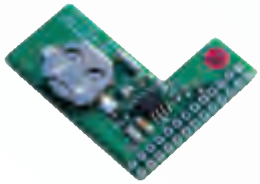
PiFace I/O Shim

- 40-way / 26-way PCB and right angled connector to attach additional expansion boards
- Score and snap enabling PiFace Shim to be reduced to a 26-way

$6.19

Order Code: 244-546402

PiFace RTC Shim



- Battery backed up realtime clock and calendar add-on for Raspberry Pi
- Easy, plug and play integration and development for designs and/or applications requiring time stamps
- Board communicates via I2C interface
- Board only, battery not supplied

$13.67

Order Code: 243-422602

PiFace Control and Display 2

- Add on board for the Raspberry Pi B+ that includes display, buttons and knobs to allow for interfacing without the use of a monitor, keyboard or mouse

$40.75

Order Code: 243-423102

PiFace Digital 2

- 2 Change over relays
- 4 Tactile switchs
- 8 Digital inputs
- 8 LED indicators
- Graphical emulator
- Easy to program in Python 3 and 2, Scratch and C

$39.83

Order Code: 243-423002

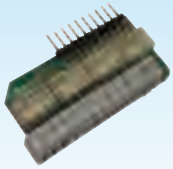
PiFace Relay+

- PiFace RELAY+ is a HAT compliant and stackable quad relay output daughter card providing for simple on/off control of loads up to 2A DC from your Raspberry Pi programs
- Works with model B+ and newer Raspberry Pi models with a 40pin GPIO header
- Four relay outputs for on/off control of loads up to 2A DC
- Stackable with up to eight more PiFace Relay+ boards with an expander board on each

$46.64

Order Code: 245-188502

PiFace Relay Extra



- PiFace RELAY EXTRA is a expander board to the PiFace RELAY+ adding four more relay outputs to the already existing four on the PiFace RELAY+.
- Each of the eight relays can be software controlled to switch up to 2Amp DC loads and has normally open and closed contacts terminated into quality screw terminals
- Requires PIFACE RELAY+ board to work your Raspberry Pi
- Stackable with up to eight more PiFace Relay+ boards with an expander board on each

$30.02

Order Code: 245-188602

PiFace Motor Control Extra

- PiFace MOTOR CONTROL EXTRA is a expander board to the PIFACE RELAY+ board adding two H-Bridge motor controllers to the PiFace RELAY+ to control DC and stepper motors in your programs
- PiFace MOTOR CONTROL EXTRA requires PiFace RELAY+ board to work your Raspberry Pi
- Two H-Bridge motor controllers on board
- Works with DC and stepper motors

$28.68

Order Code: 245-188702

Raspberry Pi 2 Model B Starter Kit

Kit Contents: Raspberry Pi 2 Model B, 8GB microSD card preloaded with NOOBS , SD card to micro SD card adapter, 2A International power supply, white enclosure & 1m HDMI cable.

$104.60

Order Code: 246-761202

Raspberry Pi Micro USB Power Supply

- Micro USB
- Output power Max: 10W
- Output Current Max: 2A
- Plug type: Aus

$11.71

Order Code: 242-750002

Raspberry Pi Heatsink Kit

- Ensure your Raspberry Pi remains cool with no need for fans. Helps extend the life of your Pi.
- Comprises of 3 high quality Pressfin heat sinks which fit the 3 main heat sources on the Raspberry Pi

$9.53

Order Code: 231-994702

Raspberry Pi 2 Model B

- Broadcom BCM2836 ARMv7 Quad Core Processor powered Single Board Computer running at 900MHz
- 1GB RAM so you can now run bigger and more powerful applications
- Identical board layout and footprint as the Model B+
- 40pin extended GPIO
- 10/100 Ethernet Port
- Compatible with Microsoft Windows 10
- * Fully HAT compatible

$48.89

Order Code: 246-103002

All prices in NZD$ | GST exclusive

RoHS Compliant Non-compliant

element14

8 Useful Webinars
to help you build the Internet of Things

The Internet of Things (IoT) is here and more engineers than ever are optimising their designs for an increasingly connected world. Here we present the webinars that have taken place on element14 over the last few months, where industry experts explain the intricacies of IoT and discuss the opportunities that a connected world can bring for EE design.

Designing for the Internet of Things

This webinar addresses the three main problems with designing an IoT solution. It divides the focus into three areas: cost, security, and features. The aim of the webinar is to help attendees strike a balance.

element14.com/designing-for-iot

Home automation at your fingertips

Learn how you can build your very own open home automation solution using Eclipse SmartHome and the wide range of bindings from EnOcean to Philips Hue, which are all available from the open-source openHAB project.

element14.com/home-automation-at-your-fingertips

Opportunities and challenges with IoT

This webinar reviews the opportunities and challenges ahead for the IoT from a market and technical point of view including the various connectivity technologies, microcontrollers and processors available with a strong focus on applications.

element14.com/opportunities-with-iot

Architecture and protocols session

This session provides a short overview of the IoT architecture and its protocols. This comprehensive architecture addresses these new concerns and presents a meaningful path forward for organisations developing and consuming IoT solutions.

element14.com/iot-architecture

Connecting your project to the cloud

This webinar explains how to quickly and easily connect, control and monitor all your projects with the cloud via Wi-Fi, completely free!

element14.com/connecting-to-the-cloud

RIoTboard- Revolutionizing the Internet of Things

The RIoTboard has been designed to run Android operating systems efficiently and features a high processing performance/low-power consumption processor. It includes a broad range of peripherals and display capabilities, making it perfectly suited as a hub for IoT.

element14.com/riotboard-iot

The Internet of Things: in production

Dr. Verena Majuntke explains what impact the IoT will have on manufacturing and how it might change business for manufacturers.

element14.com/iot-in-production

Enable your smart home

A practical introduction on how to convert your home into a smart home with the use of Raspberry Pi and EnOcean sensors.

element14.com/enable-your-smarthome

Find out more at element14.com/internetofeverything

freescale™

Kinetis-L Freedom Development Board

- Easy access to MCU I/O with a tri-color LED
- Touch-sensing interface with a touch pad slider
- Built-in debug interface for flash programming, run-control and monitoring

$19.04
ORDER CODE 219-186102

Freedom Development Platform for MK64FN1M0VLL12 Microcontroller

- The FRDM-K64F is a freedom development platform built on the ARM Cortex-M4 core featuring Kinetis K series MK64FN1M0VLL12 microcontroller.
- This freedom board can be used to evaluate the K64, K63 and K24 Kinetis K series devices.
- Boasts a maximum operation frequency of 120MHz, 1MB of flash, 256KB RAM, full speed USB controller, Ethernet controller, secure digital host controller and loads of analog and digital peripherals
- Ideal for developing applications which require high memory density, low power and optimized integration

$41.14
ORDER CODE 240-674102

Freedom Development Platform for Kinetis KL43, KL33, KL27 and KL17 MCUs

Ideal for rapid prototyping of microcontroller-based applications. The Freescale Freedom KL43Z hardware, FRDM-KL43Z, is a simple, yet sophisticated design featuring a Kinetis L series microcontroller, built on the ARM® Cortex™-M0 core.

Kit Contents: FRDM-KL43Z hardware, Quick Reference Card

$30.13
ORDER CODE 244-846702

Freedom Inertial Sensor Breakout Board

- Features: 9-Axis Inertial Measurement Sensor, Enabled for Sensor Fusion, Sensor Toolbox Software
- For use with: Freescale FRDM-K64F-AGM01 Demonstration kit
- **Kit Contents:** Breakout Board FXAS21002C & FXOS8700CQ

$20.18
ORDER CODE 247-378802

9-Axis Sensor Toolbox Development Board

NEW

- The FRDM-STBC-AGM01, is a sensor expansion board for the FXAS21002C gyroscope and the FXOS8700CQ 6-axis sensor.
- Features include 9-axis sensing compatible with most Freescale FRDM boards and is supported by the Freescale Sensor Fusion Toolbox. Fully Featured with 3-axis Gyroscope, 6-axis Accelerometer/Magnetometer.

$28.30
ORDER CODE 247-117302

MKL27Z64VLH4 Kinetis Freedom Development Board

- Features: 48MHz CPU, Cap Touch Slider/Accelero/Magnetometer, CMSIS-DAP/OpenSDA/P&E Interface, USB/Batt Power
- Kit Contents: Dev Board MKL27Z64VLH4, Quick Reference Card
- No. of bits: 32bit
- Silicon familiy name: Kinetis- KL2
- Cortex-M0+

$30.13
ORDER CODE 244-485002

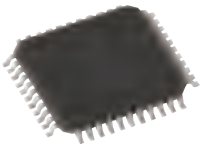
Xtrinsic Sense Sensor Evaluation Add-on Board

- For use with Xtrinsic-Sensors- Evaluation Kit
- Xtrinsic MEMS Sensors
- Altitude and pressure measurement
- Magnetic field and physical position detection

$15.76
ORDER CODE 236-535302

Coldfire Microcontroller

35% OFF

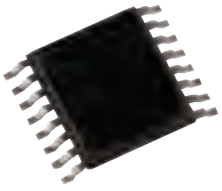


- The MCF51JM128 is a member of the ColdFire family of 32-bit reduced instruction set computing (RISC) microprocessors
- V1 ColdFire core with background debug module
- Up to 128 KB of flash memory
- Up to 16 KB of static RAM (SRAM)
- Multipurpose clock generator (MCG)
- Dual-role Universal Serial Bus On-The-Go device

$11.37
ORDER CODE 231-397102

MC9S08SH8CTGR Microcontroller

20% OFF

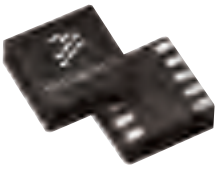


- CPU Speed: 40MHz
- Controller family: S08SH
- Embedded Interface Type: I2C, SCI, SPI
- MCU Case Style: TSSOP
- MSL: MSL 3 - 168 hours
- No. of I/O's: 13
- No. of Pins: 16
- Packaging: Cut Tape
- Program Memory Size: 8KB
- RAM Memory Size: 512Byte

$3.81
ORDER CODE 231-559902

MMA8653FCR1 Accelerometer

35% OFF

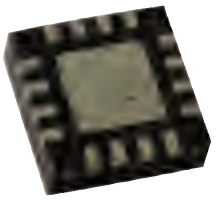


- Acceleration Range: ± 2g, ± 4g, ± 8g
- MEMS Sensor Output: Digital
- MSL: MSL 1 - Unlimited
- Measurement Axis: X, Y, Z
- No. of Pins: 10
- Sensitivity Type: 256LSB/g, 128LSB/g, 64LSB/g
- Sensor Case Style: DFN

$1.71
ORDER CODE 237-775902

Accelerometer & Magnetometer

20% OFF

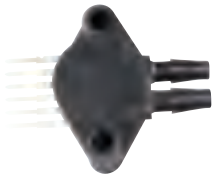


- Acceleration Range: ± 2g, ± 4g, ± 8g
- MSL: MSL 3 - 168 hours
- No. of Pins: 16
- Sensor Case Style: QFN
- Supply Voltage Max: 3.6V
- Supply Voltage Min: 1.95V

$4.25
ORDER CODE 237-775702

IC Pressure Sensor

30% OFF



- Connection Size: 4.928mm
- No. of Pins: 6
- Operating Pressure Max: 700kPa
- Operating Pressure Min: 0kPa
- Operating Temperature Max: 125°C
- Operating Temperature Min: -40°C
- Pressure Type: Differential
- Sensitivity, V/P: 6.4mV/kPa
- Sensor Case Style: SIP

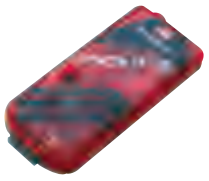
$23.59
ORDER CODE 155-560002

http://nz.element14.com/freescale-semiconductor

PICkit™ 3 In-Circuit Debugger

MICROCHIP

PG164130



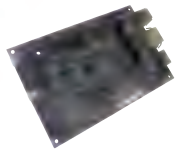
- Erase of all memory types with verification
- R/W program and data memory of µC
- Diagnostic LEDs (power, active, status)
- Built-in over-voltage/short circuit monitor
- Low voltage to 5V (1.8-5V range)
- Peripheral freeze at breakpoint
- Real-time execution

$62.79

ORDER CODE 177-132302

SAMA5D4 Evaluation Board

Atmel



- SAMA5D44 Cortex-A5 Microprocessor
- 512MBytes DDR2 and NAND Flash memory
- 1 EEPROM with a unique MAC address and serial number
- LCD connectors
- 10/100 Ethernet MAC with PHY and connector
- Three USB connectors (2 Host and 1 Device)
- One HDMI connector
- 1x SD/eMMC and 1x MicroSD slots
- Arduino R3 Shield and Xplained Wing compatible expansions headers
- Power measurement straps

$127.88

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MSP430FR5969 LaunchPad Evaluation Kit

TEXAS INSTRUMENTS Authorized Distributor

NEW

35% OFF

The MSP-EXP430FR5969 LaunchPad is an easy-to-use Evaluation Module for the MSP430FR5969 microcontroller. It contains everything needed to start developing on MSP430's ULP FRAM platform, including on-board emulation for programming, debugging and Energy Measurements.

- 16-Bit RISC Architecture up to 8-MHz FRAM access/ 16MHz system clock speed
- Analog: 16Ch 12-Bit differential ADC, 16Ch Comparator
- Digital: AES256, CRC, DMA, HW MPY32
- 20 pin LaunchPad standard
- MSP430 ULP FRAM technology based MSP430FR5969 16-bit MCU
- 64KB FRAM / 2KB SRAM

$27.74

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ST-LINK/V2

In-Circuit Debugger/Programmer for STM8 and STM32

- 5 V power supplied by USB connector
- USB 2.0 full speed interface compatible
- USB standard A to Mini-B cable provided

$34.54

ORDER CODE 189-252302

STM32F4 High-Performance Discovery Board

STM32F4DISCOVERY

Features Include:

- 32-Bit ARM Cortex-M4F core
- 1 MB flash
- 192 kB RAM
- USB or 5V PSU
- MEMS 3 axis accelerometer
- MEMS audio microphone
- Audio DAC with amplifier

$24.18

ORDER CODE 200-927602

LOGi-EDU 2 Add on Board

- 4x Seven Segment Character display
- 9 bit VGA video output
- 2x PS/2 peripheral ports
- 2x PWM or delta sigma audio outputs
- 2x NES (Nintendo original) controllers
- 2x Servo connectors
- An expansion board for the LOGi-Pi FPGA board. The LOGi-EDU serves as an educational pathway to allow FPGA beginners to easily learn and implement basics of FPGAs and HDL design.

$53.30

ORDER CODE 246-695402

LPCXpresso4337 Development Board

NXP

35% OFF

- LPC43S37 dual-core (M4F and M0+) MCU running at up to 208 MHz
- On-board high-speed USB based debug code with CMSIS-DAP & LPCXpresso IDE Redlink protocol option
- Tri-colour LED
- Expansion options available

$39.00

ORDER CODE 246-505902

LPCXpresso18S37 Development Board

NXP

35% OFF

LPCXpresso18S37 is ready for use with the LPCXpresso IDE.

LPCXpresso IDE supports programming and debugging LPCXpresso boards using the on-board CMSIS-DAP debug interface, or with an external debug probe such as LPC-Link2.

$39.00

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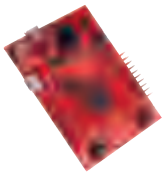
TM4C123G Launch Pad Evaluation Kit

TEXAS INSTRUMENTS Authorized Distributor



- Low cost evaluation platform for ARM Cortex-M4F based microcontrollers
- Silicon core number: TM4C123G
- On-board In-Circuit Debug Interface (ICDI)
- USB 2.0 device interface

$22.42

ORDER CODE 231-493702

SAMA5D36 Evaluation Platform

Atmel

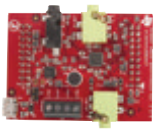
- Powerful dev kit with Atmel's SAMA5D36 Cortex-A5 based MPU
- With LCD connectors and numerous pheripherals
- Fast prototyping and low cost evaluation platform for microprocessor-based design
- 1x USB Device connector, 2 USB Host connectors

$80.99

ORDER CODE 235-519802

CC3200 SimpleLink Wi-Fi and IoT Solution

TEXAS INSTRUMENTS Authorized Distributor



20% OFF

- Cortex-M4 based Wi-Fi & IoT Solution SoC
- On-board audio codec & Class-D amp
- Contains speaker Connector & mic
- Use for wireless development

$48.32

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LPCXpresso4337 Development Board

NXP

35% OFF

- LPC4337 dual-core (M4F and M0+) MCU running at up to 208 MHz
- On-board high-speed USB based debug code with CMSIS-DAP & LPCXpresso IDE Redlink protocol option
- Tri-colour LED
- Expansion options available

$37.86

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AVR DRAGON Emulator and Progammer

Atmel

ATAVRDRAGON

The AVR Dragon is a in-circuit emulator for AVR devices with 32KB or less Flash memory. It also supports programming modes for these and larger AVR devices, including in-system programming, high voltage serial programming, parallel programming and JTAG programming. Front-end software for the AVR Dragon is provided within AVR Studio.

$84.32

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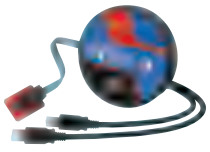
MPLAB® ICD 3 In-Circuit Debugger/Programmer

MICROCHIP

DV164035



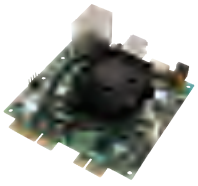
- Source debugging, stopwatch, complex breakpoints, and in-circuit programming
- USB powered (USB 2.0, 480 Mbps)
- Internal 1MB memory buffer for increased download speed
- Target power, up to 100 MA
- Firmware upgrade via MPLAB IDE download

$306.91

ORDER CODE 166-487802

AMD Gizmo II

GIZMOSPHERE



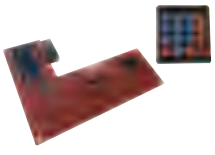
- 1GHz Dual Core Processor
- 64bit
- USB/HDMI/Micro-SD/mSATA interface
- Gigabit ethernet port
- Contains dev board, 12V/2A universal power supply, adapter, micro-SD card & coin cell

$260.26

ORDER CODE 244-373102

Gizmo Explorer Expansion Board

GIZMOSPHERE



- 2-layer Board, LCD Microdisplay, GPIO Header, Card Edge/SPI/USB Port, DC & Stepper Motor Capability
- For Use With: Gizmosphere Gizmo Explorer Kit
- Silicon Core Number: T40E
- Silicon Family Name: G-Series

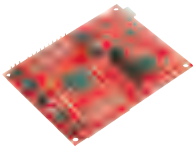
25% OFF

$22.67

ORDER CODE 247-226502

MSP430F5529 USB Launchpad Evaluation Kit

TEXAS INSTRUMENTS Authorized Distributor



- The MSP-EXP430F5529LP is an USB LaunchPad evaluation kit for the MSP430F5529 USB microcontroller
- 16bit microcontroller with 128KB flash, 8KB RAM, up to 25MHz CPU speed, integrated USB 2.0 PHY, 12bit analogue to digital converter (ADC), timers, serial communication (UART, I2C, SPI) and more.
- USB as power source, 5V and 3.3V through a high efficiency DC to DC converter

$22.42

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CC3100 Boosterpack Simplelink WiFi

TEXAS INSTRUMENTS Authorized Distributor

Self-contained network processor with on-chip web server and embedded TCP/IP stack that connects easily to any low-cost and low-power microcontroller. Team with the EMUBOOST board for flashing and advanced debug compatibility.

CC3100BOOST

- 2 x 20 pin stackable connectors
- 0.8 Mbit serial flash
- Two push buttons & four LEDs
- 40 MHz crystal, 32KHz crystal and oscillator
- On-bord Chip Antenna

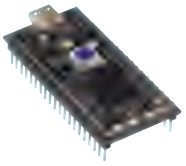
CC31XXEMUBOOST

- FTDI debug support
- Enables enumeration SPI & GPIO for SimpleLink Studio
- Enumerates COM port for flashing
- Boosterpack headers

Description	Mftrs. List No.	Order Code	Price Each
CC3100 SimpleLink WiFi Boosterpack	CC3100BOOST	242-550002	$33.47
Advanced Emulator Board for CC3100	CC31XXEMUBOOST	242-550102	$38.32

MBED Prototyping Board

mbed NXP



Features:

- 40-pin DIP, 0.1" pitch
- Programmed via USB
- 60MHz ARM, 32KB RAM, 512KB flash
- Ethernet, USB slave
- 2xSPI, 2xI2C, 3xUART, 1xCAN
- GPIO, 6xPWM, 6xADCs, 1xDAC
- C++ libraries and toolchain

30% OFF

The mbed module is a new community-based embedded development tool featuring the NXP LPC1768 or LPC2368 microcontroller. It allows the user to create, compile, and download embedded software for NXP's LPC series of MCUs using a browser-based GUI. There is no software to install - everything is online, even the compiler.

$84.42

ORDER CODE 176-117902

CC3200 SimpleLink WiFi Launchpad

TEXAS INSTRUMENTS Authorized Distributor

- Features 80MHz ARM Cortex-M4 integrated with Wi-Fi network processor
- Advanced Wi-Fi connection manager with no host processor involvement
- Includes: 2 x UART, 2 x SPI, camera, audio, I2C, 4-ch 12-bit ADC, 4 timers, 16-bit PWM & 27 GPIOs

$49.98

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SAM and AVR Microcontrollers Debugging and Programming Kit

Atmel

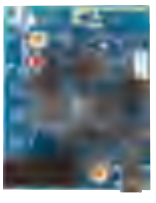
- Supports JTAG, SWD, PDI, TPI, aWire, SPI and debugWIRE interfaces
- Full source level debugging in Atmel Studio
- Supports all built in hardware breakpoints in the target microcontroller
- Up to 128 software breakpoints
- Target operating voltage range of 1.62V to 5.5V
- USB powered
- Provides both ARM Cortex debug connector (10 pin) pin out and AVR JTAG connector pin out
- ITM serial trace capture at up to 3MB/s
- Fully compatible with Atmel Studio

$156.02

ORDER CODE 240-717302

CC2560 Bluetooth Audio Sink Reference Design

TEXAS INSTRUMENTS Authorized Distributor



- Enables Bluetooth audio (SBC encode/decode) with low cost, low power
- Design offloads audio processing from MCU to the Bluetooth device which enables low power audio

10% OFF

$97.78

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Arduino Starter Kit

ARDUINO

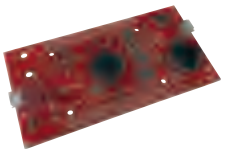
- This kit walks you through the basics of using the Arduino in a hands-on way. You'll learn through building several creative projects. The kit includes a selection of the most common and useful electronic components with a book of 15 projects. Starting the basics of electronics, to more complex projects, the kit will help you control the physical world with sensor and actuators.

$149.08

ORDER CODE 225-086202

XMC4500 Relax Lite Kit

Infineon



- Features: 120MHz Cortex-M4 CPU, Detachable On-board Debugger, USB-OTG, Power Over USB
- Silicon Core Number: XMC4500
- Power over USB
- ESD and reverse current protection
- 2 x user button and 2 x user LED
- 4 x SPI-Master, 3x I2C, 3 x I2S, 3 x UART, 2 x CAN, 17 x ADC (12 bit), 2 x DAC, 31x PWM mapped on 2 Pin Headers 2 x 20 0.1"
- Micro-USB plug

$23.56

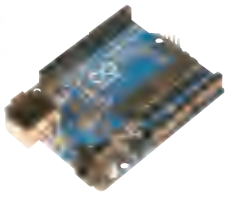
ORDER CODE 244-355202

Arduino Nano

- Microcontroller: ATmega328
- Operating Voltage: 5V
- Maximum Input Voltage: 6-20V
- Analog Input Pins: 8
- Clock Speed: 16MHz

$48.81
ORDER CODE 184-869102

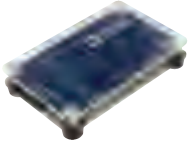
ATMEGA328P RV3



- 16MHz clock
- ATmega328 MCU
- Operating Voltage 5V
- 14 digital I/O (6 PWM O/P)
- 6 analogue I/P
- 32kB flash, 2kB SRAM, 1kB EEPROM

$34.64
ORDER CODE 207-538202

ADALM1000 Active Learning Module

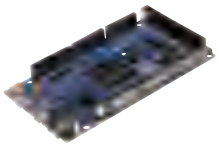


- Data Acquisition System
- Complete learning ecosystem for analogue circuit designs

$58.83
ORDER CODE 245-184702

Arduino Due Development Board

A000062



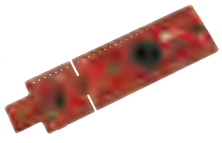
The Due has a 32-bit ARM core that can outperform typical 8-bit microcontroller boards. The most significant differences are:

- A 32-bit core, that allows operations on 4 bytes wide data within a single CPU clock.
- CPU Clock at 84Mhz

- 96 KBytes of SRAM
- 512 KBytes of Flash memory for code
- 54 digital input/output pins (12 can be used as PWM outputs)
- A DMA controller, that can relieve the CPU from doing memory intensive tasks

$66.62
ORDER CODE 225-086102

CY8C4245AXI-483 MCU Prototype Board

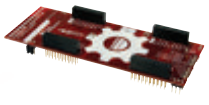


- Core Architecture: ARM
- Core Sub-Architecture: Cortex-M0
- No. of bits: 32bit
- Onboard CMOD Capacitors to Enable CapSense Development

- LED to Provide Feedback
- Bypass capacitor

$6.90
ORDER CODE 242-048902

LAUNCHXL - F28069M Board



- On-board JTAG emulation tool for easy programming, debugging & evaluation

- Low cost development board for Piccolo F2806x devices & InstaSPIN technology
- Based on the superset F28069M

$41.66
ORDER CODE 246-506602

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NFC Sensor Transponder Evaluation Module

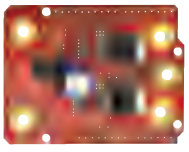
Features:

- Wireless communication via the ISO/IEC 15693
- RFID interface
- Powering from RF field or USB or 1.5v Battery
- Can program user code to FRAM memory through JTAG
- Can develop drivers for custom digital sensors

NEW

$33.34
ORDER CODE 244-963102

DC Motor Control Shield



- Compatible with Arduino Uno R3 and XMC1100 Boot Kit
- Capable of high frequency PWM
- Adjustable slew rates for optimised EMI by changing external resistor
- Driver circuit with logic level inputs

$42.14
ORDER CODE 245-348502

ATSAMD 21 EVALUATION BOARD

- Programming and debugging onboard AT-SAMD21J18A through serial wire debug (SWD)
- USB interface
- Virtual COM port interface to target via UART
- Data gateway interface (DGI) to target via SPI and TWI

- Four GPIOs connected to target for code instrumentation
- Two mechanical buttons (user and reset button)

$63.35
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MSP-EXP430FR6989 LaunchPad

LaunchPad is great for:

- Battery-operated LCD applications enabled by the ultra-low power and integrated LCD driver
- Remote sensing and datalogging with up to 128 kB of embedded FRAM

- Features: MSP430 FRAM CPU, On-board Emulator, Segmented LCD Display, Energy-Trace++ Technology, 40pin Connector

$27.61
ORDER CODE 246-832002

RGB LED Lighting Shield for Arduino Uno

NEW

- Compatible to both Arduino Uno and Infineon's XMC1100 BOOT KIT.
- The Lighting shield allows the adoption of different LED light engines to ensure fast prototyping and to make inexpensive evaluation easy.

- Offers 3 independent output channels for flicker-free control of multicolor LED light engines.
- The shield itself is controlled by a programmable XMC 32-bit ARM® powered MCU with embedded Brightness Color Control Unit.

$46.22
ORDER CODE 245-219002

Bluetooth Low Energy Pioneer Kit

- Features: PSoC MCU with BLE Radio & Subsystem, On-board Programmer/Debugger, CapSense Slider, 1.7V-5.5V Supply

- Kit contents: BLE Baseboard, PRoC BLE Module, CySmart USB Dongle, USB A to Mini-B Cable, 4 Jumper Wires, Coin Cell

$65.21
ORDER CODE 245-349002

All prices in NZD$ | GST exclusive

ATmega32u4 Leonardo Microcontroller Board

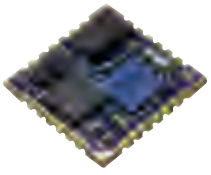
ARDUINO

20% OFF

- The Arduino Leonardo is a microcontroller board based on the ATmega32u4.
- It has 20 digital input/output pins (of which 7 can be used as PWM outputs and 12 as analog inputs), a 16 MHz crystal oscillator, a micro USB connection, a power jack, an ICSP header, and a reset button.
- It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with a AC-to-DC adapter or battery to get started.
- Has a built-in USB communication, eliminating the need for a secondary processor.

$29.08
ORDER CODE 213-307002

INEMO-M1 9-Axis Motion Sensor Module



- Two power supply options: internal regulator (Vin: 3.6 V to 6 V), external regulated voltage (Vin: 2.4 V to 3.6 V)
- STM32F103REY6: WLCSP package, high-density performance line ARM®-based 32-bit MCU
- LSM303DLHC: 6-axis digital e-compass module, ±2g, ±4g, ±8g, ±16g linear acceleration programmable full scale, from ±1.3 gauss to ±8.1 gauss, IC digital output
- No. of Pins: 28
- Packaging: Cut tape

$94.03
ORDER CODE 244-300802

TMS57012 Hercules LaunchPad

Texas Instruments Authorized Distributor

- Features: On-board XDS110 Debug & SCI-PC Serial, BoosterPack XL & TI-JTAG Headers, Reset Switches, USB Powered
- Kit contents: LaunchPad Eval Board TMS570LS1224, Micro USB Cable, Quick Start Guide
- No. of bits: 32bit
- Silicon core number: TMS570LS1224

$35.25
ORDER CODE 246-506802

ATMEGA328 Integrated Debugger

Atmel

- Features: Auto-ID Identification, On-board Debugger, One Mechanical Pushbutton, Virtual COM Port
- No. of bits: 8bit
- Core sub-architecture: Auto-ID Identification, On-board Debugger, One Mechanical Pushbutton, Virtual COM Port

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ARM Based Single Board Computer with 7" LCD screen

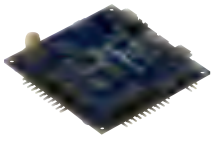
element14

- Comprises of a 7" LCD display and touch screen assembly, integrated with multi-functional embedded hardware based on Atmel's ARM9 AT91SAM9X35 industrial processor
- Fully integrated Embedded Display Module solution for a variety of embedded control HMI applications

$240.30
ORDER CODE 236-478802

ATSAMR 21 EVALUATION BOARD

Atmel



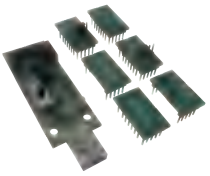
The ATSAMR21-XPRO evaluation kit is a hardware platform to evaluate ATSAMR21G18A microcontroller.

- Programming and debugging onboard AT-SAMR21G18A through serial wire debug (SWD)
- USB interface
- Virtual COM port interface to target via UART
- Data gateway interface (DGI) to target via SPI and TWI
- Four GPIOs connected to target for code instrumentation
- Digital input and output
- Two mechanical buttons (user and reset button)
- One user LED and three possible power sources
- 32KHz and 16MHz crystals

$71.76
ORDER CODE 240-717702

Multi Sense Evaluation Kit

ROHM SEMICONDUCTOR



- The Sensor Evaluation Kit is designed to test the functional operation of various sensor types. It includes one Base board and several Breakout boards. The Base board is controller board with LAPIS MCU. The Breakout board is sensor board which contains different kind of sensor IC.

$95.03
ORDER CODE 247-552302

MINI6935 Daughter Board

element14

- For use with the EDM6070 Embedded Display Module
- The MINI6935 is compact yet powerful embedded core module built on the Atmel AT91SAM9X35, a 32bit ARM 926EJ-S? microcontroller.
- Support for the Linux2.6.39 operating system
- Support for custom GUI's created via Linux QT

$84.96
ORDER CODE 236-478702

2.4" Arduino Board Display Module

- Made up of a uLCD-24-PTU Display Module and an adaptor to easily connect an Arduino to the 4D systems display
- 5 way Female-Female cable

$94.31
ORDER CODE 245-120502

Arduino Goldelox OLED Starter Kit

- Features: 1.7" uOLED Display, Powerful Graphics, 4GB Memory, Arduino Compatible, Workshop4 IDE Software
- Kit Contents: uOLED-160-G2 Display, Arduino Adapter Shield, Micro-SD Card, Adapters, Jumper Cable, Starter Guide

$118.19
ORDER CODE 245-446902

STM32 Nucleo boards

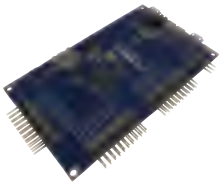
NEW

- Cortex-M0
- Features: LQFP Package, 64 Pins, Flexible Board Power Supply
- Two types of extension resources-Arduino Uno Revision 3 connectivity & STMicroelectronics Morpho extension pin headers for full access to all STM32 I/Os
- On-board ST-LINK/V2-1 debugger/programmer with SWD connector
- 3 LEDs

Mftrs. List No.	Order Code	Price/Set
NUCLEO-F030R8	239-422502	$17.78
NUCLEO-F103RB	239-422602	$17.78
NUCLEO-F401RE	239-422302	$17.81

Xplained Pro Evaluation Board

Atmel



- The Atmel®SAM L21 Xplained Pro evaluation kit is a hardware platform to evaluate the AT-SAML21J18A microcontroller.
- Features: Xplained Pro MCU Series, Embedded Debugger, Current Measurement, 2 x USB, 3 x Xplained Pro Extension
- No. of bits: 32bit
- Core Sub-Architecture: Cortex-M0+

$91.37
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